



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

14/12/92

सं० 44] नई दिल्ली, शनिवार, अक्तूबर 31, 1992 (कार्तिक 9, 1914)  
No. 44] NEW DELHI, SATURDAY, OCTOBER 31, 1992 (KARTIKA 9, 1914)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
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PATENTS AND DESIGNS

Calcutta, the 31st October 1992

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1—307 GI/92

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## पेटेंट कार्यालय

एकसूत्र तथा अभिकल्प

कलकत्ता, दिनांक 31 अक्टूबर 1992

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा चम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोपी हस्टेट,  
तीसरा तल, लोकर परले (पश्चिम),  
चम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा  
दिवु एवं दादरा और नागर हवेली ।

नगर पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकक सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
सरस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

नगर पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
61, बालाजाह् रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप  
मिनिक्काय तथा अभिनिर्दिष्ट द्वीप ।

नगर पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय)  
निजाम पैलेस, विदेशीय बहुतलीय कार्यालय,  
भवन, 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र

नगर पता—“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवश्यक पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय की केवल उपर्युक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपर्युक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपर्युक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रण को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक धागा की जा सकती है ।

## THE PATENT OFFICE

Calcutta, the 31st October 1992

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 234/4. ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-20

The dates shown in the crescent branch are the dates  
claimed under section 135, of the patents Act, 1970.

16th September 1992

674/Cal/92. Amitabh Ranjan & Vishal Saxena. A Device  
for Cooling Air in a Room without any Accompanying  
increase in Room Humidity.

675/Cal/92. Somnath Roy. System for the Recovery of  
Particulate/dust Tea for use in Tea Processing/  
Manufacturing Apparatuses.

18th September 1992

676/Cal/92. Hitachi Construction Machinery Co. Ltd. Hy-  
draulic drive system for construction Machine.

677/Cal/92. Dean N. Morrison and G.S. Tiwari. Waste-  
water Treatment System and Method.

21st September 1992

678/Cal/92. Sanjoy Biswas. Kleazer.

679/Cal/92. E.I. Du Pont De Nemours and Company. Pro-  
cessing aid for polymers. (Divisional of appli-  
cation No. 10/Cal/91; antedated to 1-1-91)

680/Cal/92. P.A. Rentrop, Hubbert & Wagner Fahrzeug-  
Ausstattungen GMBH & Co. KG., Hinge Fitting  
for Motor Vehicle Seats.

681/Cal/92. Emitec Gesellschaft für Emissionstechnologie  
mbH. Catalytic Exhaust Gas Converter.

682/Cal/92. Siemens Aktiengesellschaft. Multipole Vacuum  
Switch with a Pole Driving unit for each vacuum  
Switching Tube".

22nd September 1992

683/Cal/92. Central Mine Planning & Design Institute Ltd.  
(CMPDI) Continuous Devolatiliser For Coal  
Briquettes/Pellets.

684/Cal/92. J.M. Voith GmbH. Double Screen Barket.

685/Cal/92. Johnson & Johnson Inc. No. Waste Absorbent  
Product.

686/Cal/92. Sri Pradip Kumar Routh. Special Dehydrated  
Raw Food Nodules and their Making Machine.

## ALTERATION OF DATE

Patent No. 71495

401/MAS/90

Ante-dated to 13th April 1987.

## COMPLETE SPECIFICATION ACCEPTED

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## स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम एंसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्य को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध संबंधी लिखित दस्तावेज, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप हैं।”

नीचे सूचीगत विनिर्देशों की सीमित संख्याक मुद्रित प्रतियां, भारत सरकार बुक डिप्टी, 8, किरण संकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी। प्रत्येक विनिर्देश का

मूल्य 2/- रु. है। (अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु माग-पत्र के साथ निम्नलिखित सूची में यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl.: 29D.

171481

Int. Cl. G 06 F 15/10.

## A DISTRIBUTED PROCESSING SYSTEM.

Applicant: HITACHI LTD., OF 6, KANDA SARUGA-DAI 4-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors: (1) TOSHIHIKO SEKIZAWA, (2) KINUI MORI, (3) MASAYUKI ORIMO, (4) YASUO SUZUKI, (5) KATSUMI KAWANO, (6) MINORU KOISUMI, (7) KOZO NAKAI, (8) HIROKAZU KASASHIMA.

Application No. 1012/Cal/1988; filed on December 07, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

## 5 Claims

A distributed processing system comprising:

- a common transmission line;
- a plurality of processors connected to said common transmission line; and
- at least one external device connected to one of said processors;
- each of said processors having:
  - transmission control unit for controlling data transmission to the other processor;
  - at least one program unit for processing data; and processing means for:

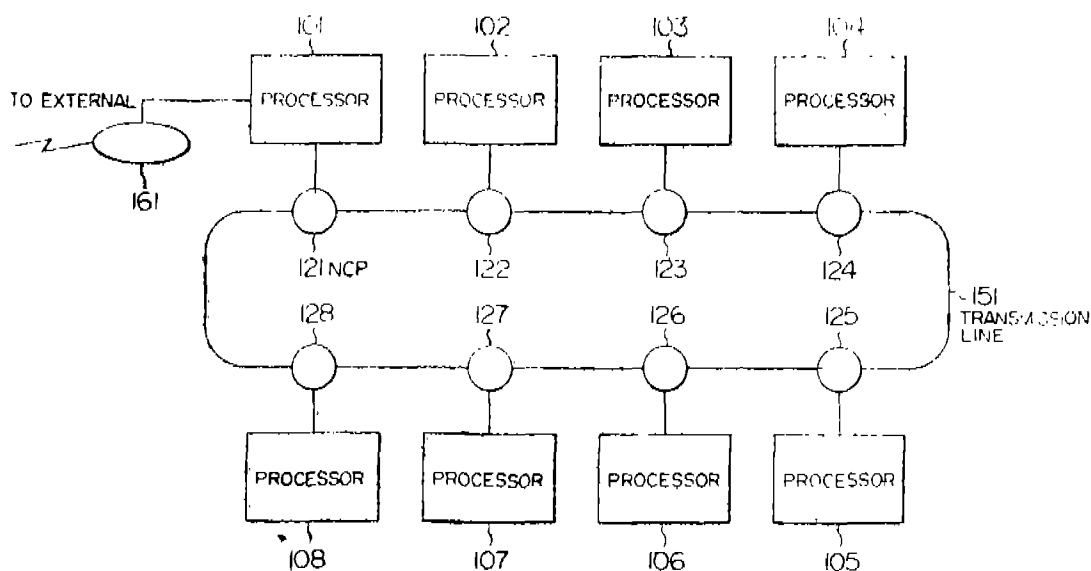
(a) adding an event number to data received from said external device.

(b) for sending said data with event number to said transmission line through said transmission control unit.

(c) for receiving a plurality of data from said transmission line through said transmission control unit.

(d) for taking coincidence of the event number among the plurality of received data to be processed by said program, and

(e) for executing said program using received data having coincident event numbers.



Compl. specn. 18 pages.

Diagns. 12 sheets

Cl. 88 A.D.

171482

Int. Cl. C 10 J 3/46, 3/84.

A PROCESS FOR COAL GASSIFICATION COMPRISING COOLING PARTIAL OXIDATION GAS AND DEVICE FOR CARRYING OUT THE STEP OF COOLING.

Applicant: KRUPP KOPPERS GMBH. OF ALTENDORFER STRASSE 120, D-4300 ESSEN 1, WEST GERMANY.

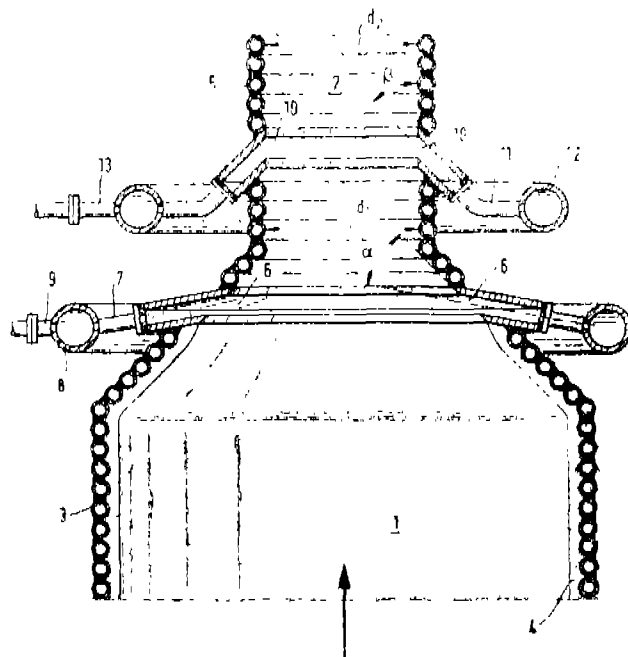
Inventors: (1) GERHARD WILMER, (2) DR. ROLF WETZEL.

Application No. 1025/Cal/1988; filed on December 14, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

8 Claims

A process for coal gassification comprising the step of cooling a stream of a product gas produced by partial oxidation produced at a temperature between 1,000 and 1,700°C. in a reactor vessel provided with a fireproof lining and having a conically converging outlet portion communicating with a tubular cooling zone, whereby the product gas stream flows through the outlet portion into the cooling zone, comprising the steps of injecting radially inwardly into the converging outlet portion a first stream of cooling fluid, said first stream having the shape of a closed flat ring which forms with the inner surface of the outlet portion an angle between 0° and 90°; and injecting radially inwardly into the tubular cooling zone a second stream of cooling fluid, said second stream having the shape of a closed flat ring which forms with the inner surface of the cooling zone an angle between 70° and 90° to prevent the formation of deposits of sticky particles contained in the product gas on the walls defining the converging outlet portion and the cooling zone.



Compl. specn. 12 pages.

Diagns. 2 sheets

Cl. 39 O

171483

Int. Cl. B 01 J 2904.

A PROCESS FOR THE PREPARATION OF AN IMPROVED CRYSTALLINE TITANIUMSILICATE MOLECULAR SIEVE ZEOLITES.

Applicant: ENGELHARD CORPORATION OF 70 WOOD AVENUE, SOUTH ISLIN, NEW JERSEY 08830 STATES OF AMERICA.

Inventor: STEVAN MITCHELL KUZNICKI.

Application No. 1042/Cal/1988; filed on December 19, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

Cl.: 128 F.

171484

# 10 Claims

A process for the preparation of an improved crystalline titaniumsilicate molecular sieve zeolite, having a pore size of approximately 3-5 Angstrom units which comprises heating a reaction mixture containing a titanium source, a source of silica, a source of alkalinity, water and optionally, an alkali metal fluoride having a composition in terms of mole ratios falling within the following ranges:

$\text{SiO}_2/\text{Ti}$ : 1-10.

$\text{H}_2\text{O}/\text{SiO}_2$ : 2-100.

$\text{Mn}/\text{SiO}_2$ : 0.1-10.0.

wherein M indicates the cations of valence n derived from the source of alkalinity and potassium fluoride to a temperature of from about 100°C to 300°C, for a period of time ranging from about 8 hours to 40 days while controlling the pH within the range of 10.45-11.0 0.1, said crystalline titaniumsilicate molecular sieve zeolite having a composition in terms of mole ratios of oxides as follows:

$1.0 \pm 0.25 \text{ M}_{2/n}\text{O} : \text{TiO}_2 : y \text{ SiO}_2 : z \text{ H}_2\text{O}$

wherein M is at least one cation having a valence of n, y is from 1.0 to 10 and z is from 0 to 100 said crystalline titaniumsilicate sieve zeolite exhibiting an X-ray powder diffraction pattern having the lines and relative intensities set forth in Table I below:

TABLE I

d-SPACING (ANGS)	I/I
$11.65 \pm 0.25$	S—VS
$6.95 \pm 0.25$	S—VS
$5.28 \pm .15$	M—S
$4.45 \pm .15$	W—M
$2.98 \pm .05$	VS

where  
 $\text{VS} = 50-100$   
 $\text{S} = 30-70$   
 $\text{M} = 15-50$   
 $\text{W} = 5-30$

Compl. specn. 30 pages.

Drgns. Nil

Int. Cl.: A 61 M 37/00,

A 61 J 3/00, 5/00.

## CASSETTE SYSTEM FOR INSERTING A ROD INSIDE A TUBULAR BASIC ELEMENT.

Applicant: HUHTAMAKI OY. OF KARSAMAENTIE 35, SF-20100 TURKU, FINLAND.

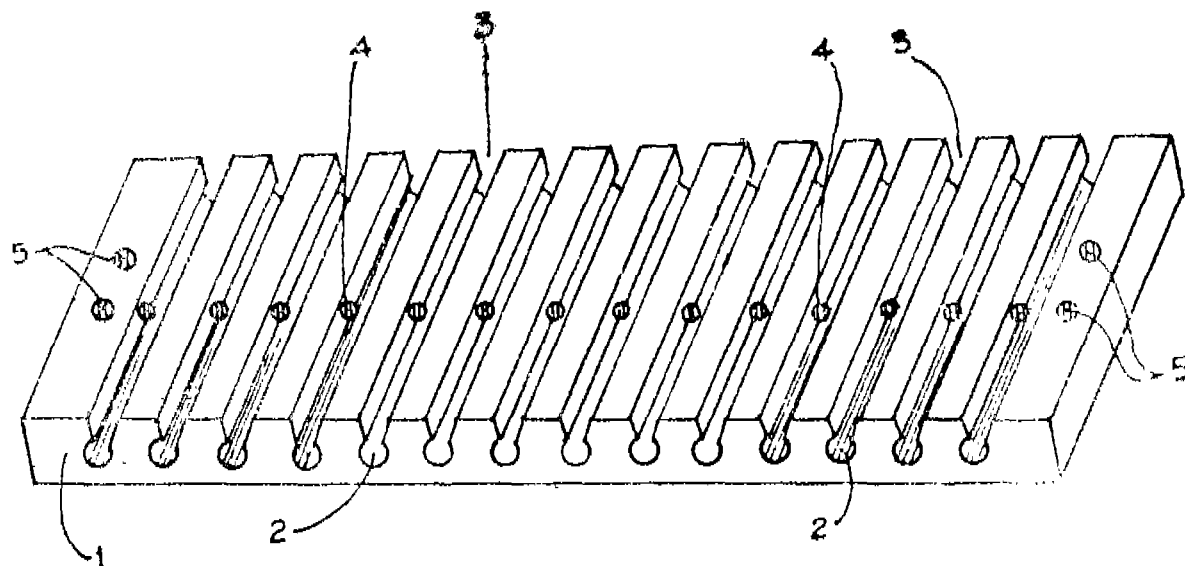
Inventors: (1) RISTIMAKI MIKKO, (2) LEHTINEN MATTI, (3) LINDSTROM KRISTER and (4) HARTZELL ROELF.

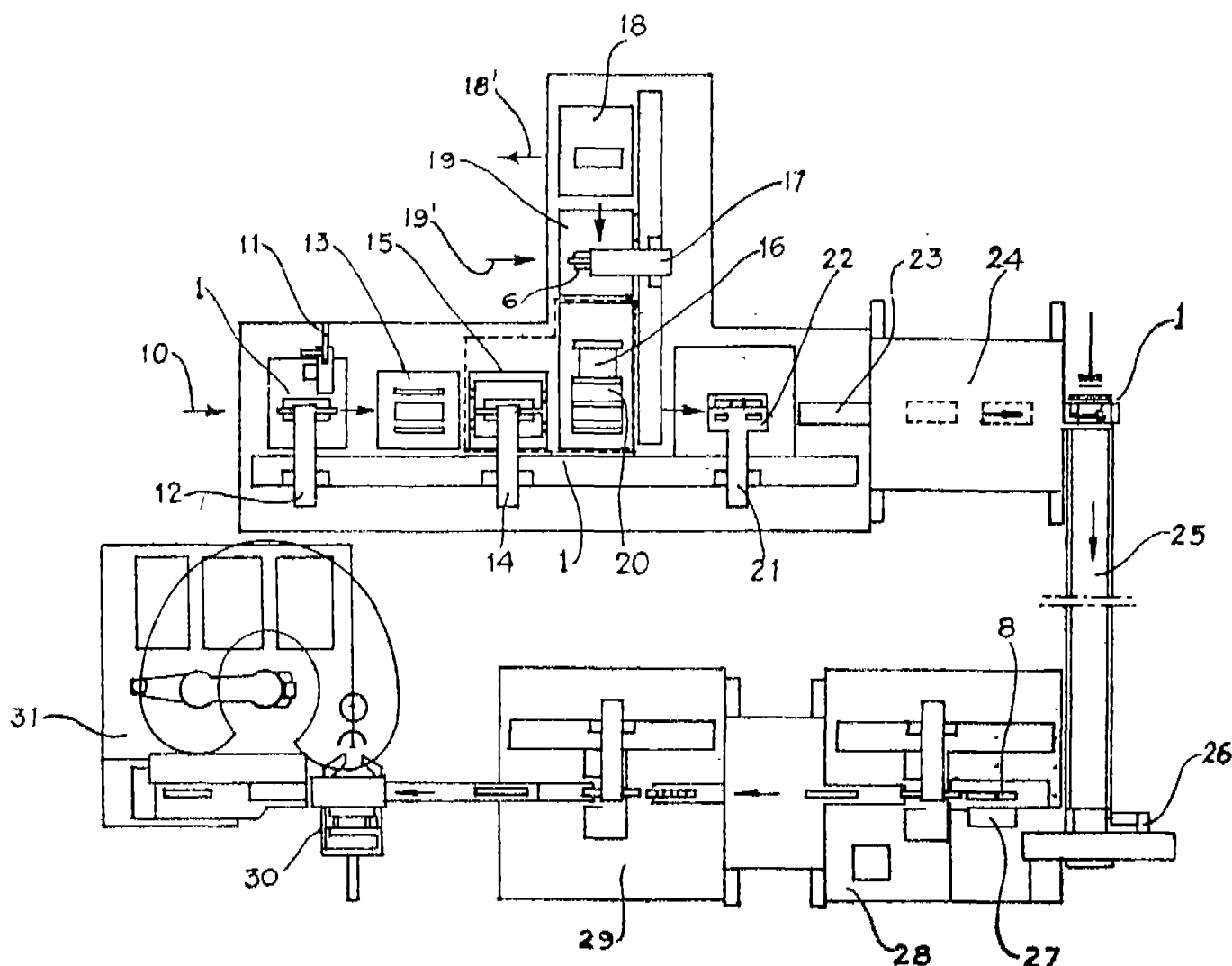
Application No. 1076/Cal/1988; filed on December 29, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

# 5 Claims

A cassette system for inserting a rod inside a tubular basic element, characterised in that said system includes at least two elongated plateshaped cassettes (1, 6, 8) provided with channels (2, 7) extending transversely of the cassette and parallel to each other for a tubular basic element or a rod as well as a shank-like pusher (16) for inserting the rods placed in channels (7) of cassette (6) inside the tubular basic elements placed in channels (2) of cassette (1) and, if necessary, the basic elements carrying said rods can be pushed out of cassette (1) into a third cassette (8), which pushing motion is effected after placing cassettes (1, 6, 8) side by side and channels (2, 7) in alignment with each other.





Compl. specn. 12 pages.

Draws. 3 sheets

CL: 11 C B D

171485

10 Claims

Int. CL: A 01 K 1/00, 15/00.

# APPARATUS FOR USE IN DIPPING ANIMALS.

Applicant & Inventors: NOEL CONNAUGHTON OF TUBBERAVADDY, ATHLEAGUE, COUNTY ROSCOMMON, REPUBLIC OF IRELAND, STEPHEN CONNAUGHTON OF BELLANACARROW, ATHLEAGUE, COUNTY ROSCOMMON, REPUBLIC OF IRELAND.

Application No. 22/Cal/1989; filed on January 09, 1989.

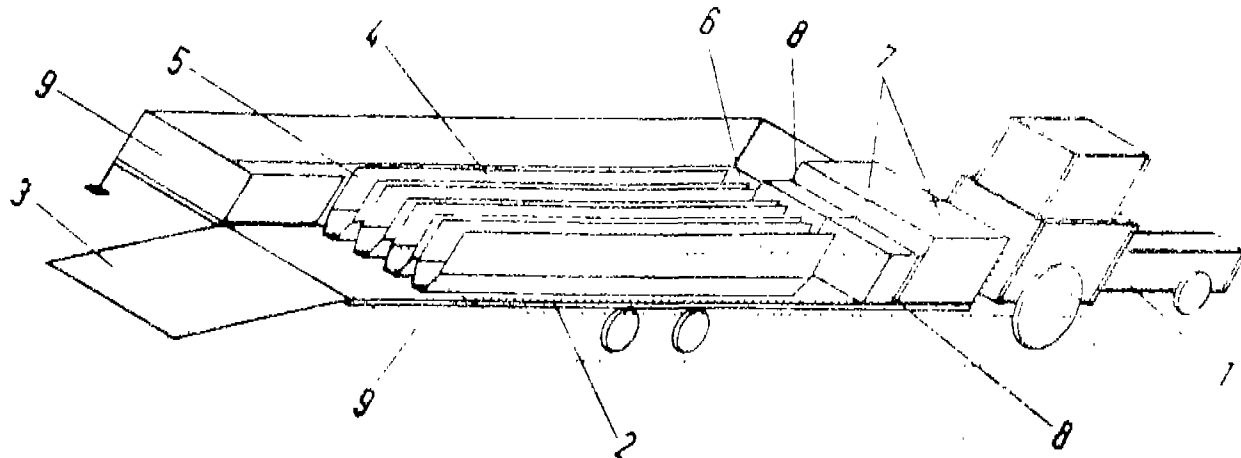
(Convention No. 1838/87; dated 9th January 1988; Ireland).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

Apparatus for use in dipping animals, for example sheep, in a liquid solution of insecticide, comprising a bath for containing the liquid solution, mounting means on which the bath is mounted, and access means forenabling the animals to enter and leave the bath, the access means comprising one or more gates or doors in the wall of the bath, the access means being openable to allow entry or exit of the animals and being closable to seal the bath, the apparatus including a liquid store for the liquid solution, means operable to deliver liquid solution from the liquid store to the bath or to discharge liquid solution from the bath into the liquid store, and a drainage pen to which the animals may be guided after dipping so that excess liquid may drain off the animals, be collected, and be returned to the bath or liquid store, wherein the drainage pen is adapted to be folded onto the

said mounting means for transportation, and the bath has a perforated false floor allowing the drainage of liquid solu-

tion, whereby when liquid solution has been discharged from the bath, the false floor is left substantially liquid free.



Compl. specn. 12 pages.

Drgns. 1 sheet

Cl.: 128 G. K.

171486

Int. Cl.: A 61 B 17/00, 19/00.

A SURGICAL SKIN STAPLER.

Applicant: ETHICON, INC. OF U.S. ROUTE No. 22, SOMERVILLE, NJ 08876 UNITED STATES OF AMERICA.

Inventors: MICHAEL A. MURRAY.

Application No. 87/Cal/89; filed on January 27, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

6 Claims

A surgical skin stapler including a staple forming track (14), a driver (18) reciprocable within said staple forming track from a non-contact position to a forming position, a staple stack (12) constantly urging staples into said staple forming track, an anvil (20) for forming said staples, and a staple release spring (24) for releasing formed staples from said anvil, wherein there is provided retaining means (30) attached to said staple release spring and positioned within said staple forming track (14) wherein said retaining means allows the placement of only one staple from said staple stack within said staple forming track at any one time, said retaining means (30) comprising a flexible tab pivotable out of the path of said driver when said driver reciprocates between said non-contact position and said forming position.

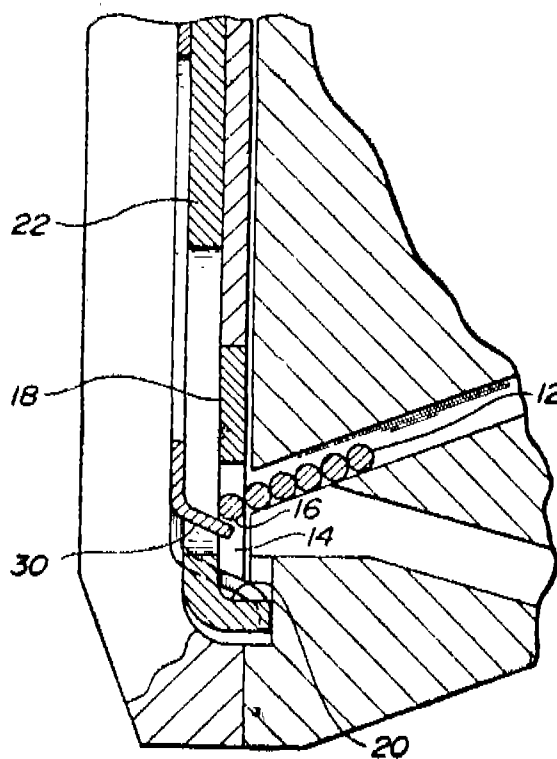


Fig. 2

Compl. specn. 9 pages

Drgns. 2 sheets

Cl.: 89.

171487

Int. Cl. G 01 B 11/00.

OPTICAL ENCODER.

Applicant: MITUTOYO CORPORATION 31-19, SHIBA 5-CHOME MINATO-KU, TOKYO 108, JAPAN.

Inventors: SOUTI ICHIKAWA.

Application No. 118/Cal/1989; filed on February 08, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

5 Claims

An optical encoder comprising  
a first scale fixed to one of two relatively movable members and formed with a first grating;  
the other of the two relatively movable members including a light source for emitting an uncollimated illuminating

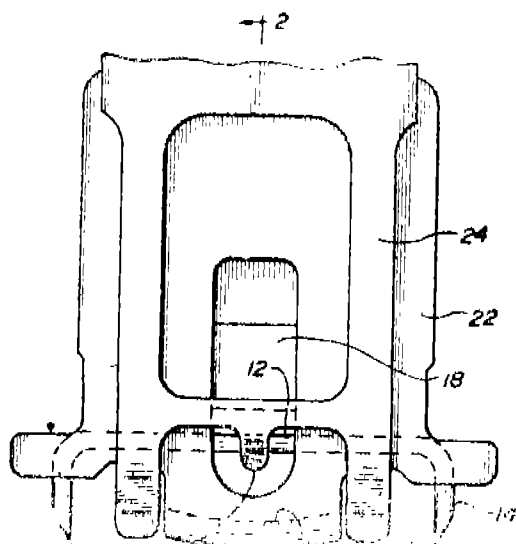


Fig. 1

light; a second scale formed with a second grating for partially shielding the illuminating light from the light source and illuminating the first grating; a third scale formed with a third grating for further restricting the illuminating light which has been restricted by the second and first gratings; and a light receiving element for detecting the illuminating light which has been restricted by the first and third gratings;

wherein a relative displacement between the relatively movable members is detected from a periodic variation of a detection signal from said light receiving element, and

a pitch  $P_2$  of the second grating is set at a value larger than a pitch  $P_1$  of the first grating and length of a light transmitting portion of the second grating is set at a value smaller than or equal to the length of the pitch  $P_1$  of the first grating and a length of a light shielding portion of the second grating is set at a value greater than the length of the light transmitting portion of the second grating to improve a signal to noise ratio of the detection signal, and pitch  $P_2$  of the second grating, a pitch  $P_3$  of the third grating, a grating gap  $u$  between the first grating and the second grating and a grating gap  $v$  between the first grating and the third grating are set at values to further satisfy the relationship represented by the following formulae, thereby detecting grating image according to the Geometric system;

$$P_2 \geq ((u+v)/v) \cdot m_1 \cdot P_1 \dots \dots \dots (1)$$

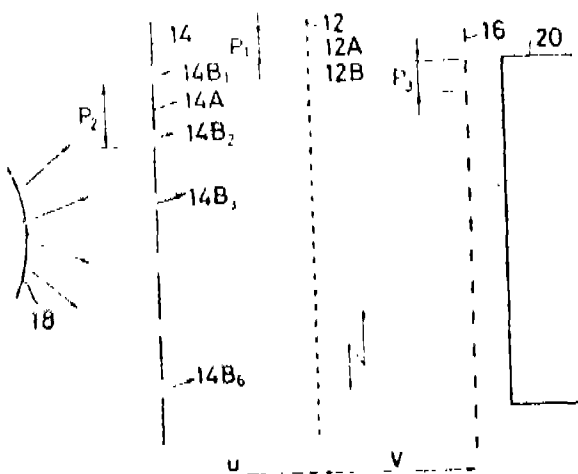
$$P_3 \geq ((u+v)/u) \cdot n_1 \cdot P_1 \dots \dots \dots (2)$$

$$\text{Length of light portion of second grating} = \text{length of pitch } P_1 \text{ of first grating} \dots \dots \dots (3)$$

$$u = v = d \dots \dots \dots (4)$$

(in the case of reflection type)

where  $m_1$  is a positive integer larger than 1, and it is preferable that  $n_1$  is a positive integer larger than 1, i.e. a natural number, 1 is a natural number.



Cl.: 27 I O E.

171488

Int. Cl.: B 44 C 1/00; 5/04

A 47 B 96/20.

F 04 C 2/20, 2/22, 2/24;

E 04 F 13/18.

F 16 S 1/00.

A METHOD OF FORMING A FORM LAMINATE.

Applicant: COMPANY 'A' FOAM LIMITED OF ACELL HOUSE, ADDISON ROAD, CHESHAM, BUCKINGHAMSHIRE HP5 2BD, UNITED KINGDOM.

Inventor: ALDINO ALBERTELLI.

Application No. 347/Cal/1989; filed on May 08, 1989.

(Convention No. 8811033.3; dated 10th May 1988, U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

14 Claims

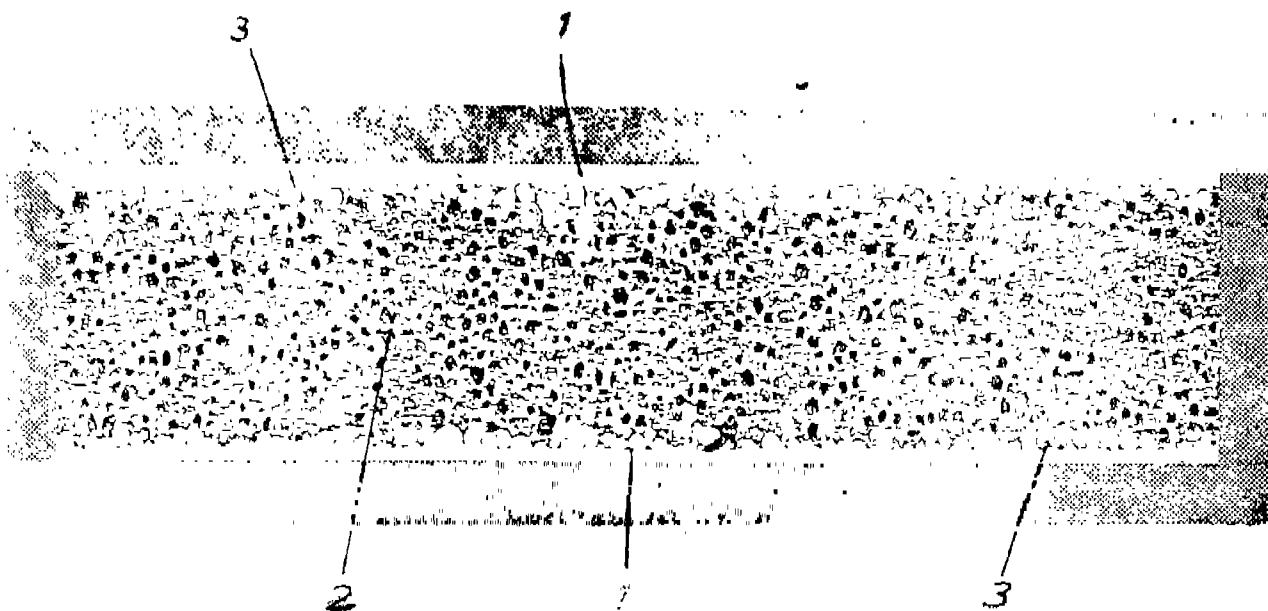
A method of forming a foam laminate comprising:—

(i) forming a layer of viscous or pasty settable material against a mold surface;

(ii) providing a solid rigid body of foamed material comprising foamed synthetic resin with or without a filler, said body containing substantially an open-cell structure and having a face containing pores open to the surface;

(iii) while said settable material is unset, positioning said body on said layer with said face in contact with said layer and applying pressure to said body to press it against said layer to force some of the settable material to enter into at least some of said pores while in the unset state and simultaneously to mold the external surface of the layer; and thereafter.

(iv) causing or allowing said settable material to set whereby to form a laminate having a layer of set material bonded to said face of said rigid body of foamed material with some of the set material lying within said pores of said body of foamed material whereby said layer of set material has a molded external surface and is mechanically keyed to said solid body of foamed material.



Compl. specn. 27 pages.

Orgns. 1 sheet

CL : 32 E-IX.

171489

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

Inl. Cl<sup>2</sup> : B 01 J 19/02;

C 08 L 61/04; 61/06; 61/12.

PROCESS FOR MAKING INTERNALLY COATED  
REACTION VESSEL FOR CONDUCTING OLEFINIC  
POLYMERIZATION AND INTERNALLY COATED RE-  
ACTION VESSEL OBTAINED THEREBY.

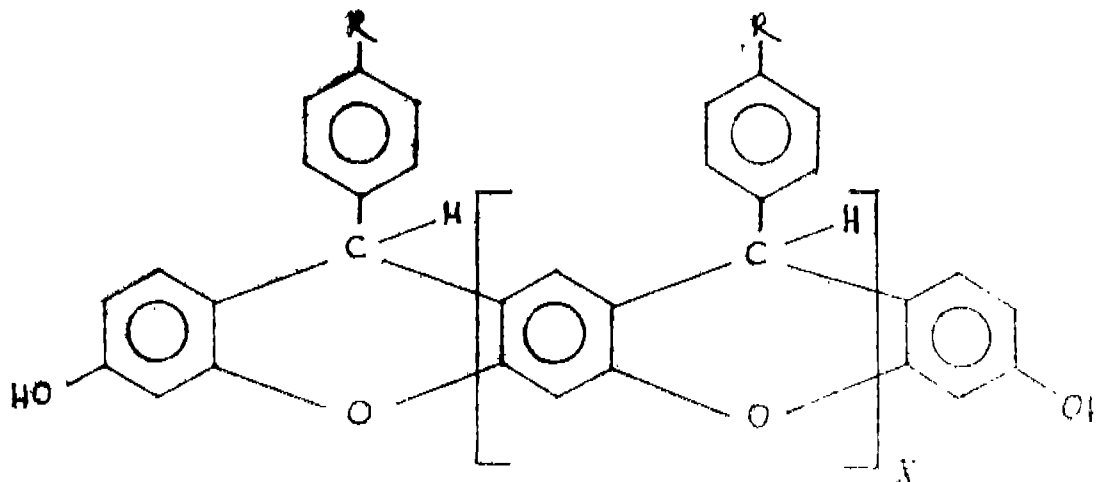
Applicant: THE B.F. GOODRICH COMPANY OF 277  
PARK AVENUE, NEW YORK, NEW YORK 10017,  
UNITED STATES OF AMERICA.

Inventors: (1) JOHN LAWRENCE DORSCH and (2) DAVID JOHN SMITH.

Application No. 709/Cal/1989; filed on August 29, 1989.

## 11 Claims

A process for making internally coated reaction vessel for conducting olefinic polymerization eliminating the buildup of polymers on the internal surfaces which comprises applying to said surfaces an aqueous coating solution of an alkali metal or ammonium salt of an oligomer formed by the phenol and an aromatic aldehyde as herein described, having the general formula 1 of the accompanying drawing, wherein R is selected from the group consisting of -H, and -OR' wherein R' is an alkyl group containing from 1 to 5 carbon atoms, and X is an integer from 2 to 10, at a concentration PH and temperature as disclosed herein for conducting the olefinic polymerization of monomer(s).



Compl. specn. 17 pages.

Drugs, 1 sheet

Cl.: 32 F<sub>1</sub>+55 D<sub>2</sub>

171490

Int. Cl.<sup>4</sup>: C 07 D 307/04.

AN IMPROVED PROCESS FOR THE PREPARATION OF 5-(2', 2'-dichloroethenyl) DIHYDRO-4, 4-DIMETHYL-2-(3H) FURANONE.

Applicant: ICI INDIA LIMITED OF ICI HOUSE, 34, CHOWRINGHEE ROAD, CALCUTTA-700 071, WEST BENGAL, INDIA.

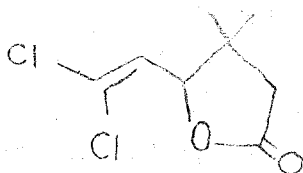
Inventors: (1) DR. ARUN KANTI MANDAL and (2) DNYANDEO PARBATI BORUDE.

Application No. 346/Cal/1990; filed April 26, 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

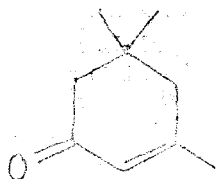
## 17 Claims

An improved process for the preparation of 5-(2', 2'-dichloroethenyl) dihydro-4, 4-dimethyl-2-(3H) furanone of the formula I shown in the drawings accompanying the provisional specification consisting of the following steps:

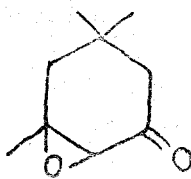


Formula I

(i) oxidising isophorone of the formula X shown in the drawings accompanying the provisional specification with hydrogen peroxide in the presence of an aqueous alkali such as herein described and an organic solvent such as herein described at 10-30°C and isolating the resulting isophorone oxide of the formula XIV shown in the drawings accompanying the provisional specification from the respective homogeneous reaction mixture (solution) in a known manner;

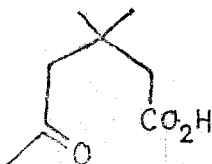


Formula X



Formula XIV

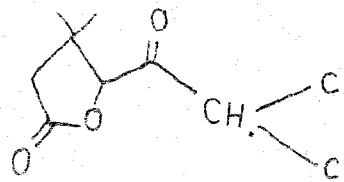
(ii) oxidising the isophorone oxide of the formula XIV with an oxidant such as herein described in a solvent such as herein described at -5 to 100°C and isolating the resulting 3, 3-dimethyl-5-ketohexanoic acid of the formula XV shown in the drawings accompanying the provisional specification from the respective homogeneous reaction mixture (solution) in a known manner;



Formula XV

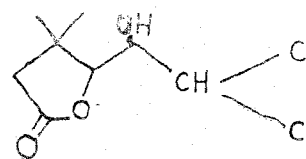
(iii) reacting the compound of the formula XV with a halogenating agent such as herein described in the presence of a catalyst such as herein described at 0-80°C and isolating

the resulting 5-(2', 2'-dichloroacetyl) dihydro-4, 4-dimethyl-2-(3H)-furanone of the formula XII shown in the drawings accompanying the provisional specification from the respective reaction mixture in a known manner;



Formula XII

(iv) reacting the compound of the formula XII with a reducing agent such as herein described in the presence of a solvent such as herein described at 0-50°C and isolating the resulting 5-(1'-hydroxy-2', 2'-dichloroethyl) dihydro-4, 4-dimethyl-2-(3H)-furanone of the formula XIII shown in the drawings accompanying the provisional specification from the respective reaction mixture in a known manner; and



Formula XIII

(v) dehydrating the compound of the formula XIII with a reagent such as herein described at 25 to 150°C and isolating the resulting compound of the formula I from the respective reaction mixture in a known manner.

Compl. specn. 28 pages.

Drgns. 1 sheet

Ind. Class: 69-I-[GROUP—LIX(1)]

171491

Int. Cl.<sup>4</sup>: H 01 H 9/16.

A HYDRAULIC JACK WITH A SYSTEM FOR CHECKING THE POSITION OF THE PISTON.

Applicant & Inventor: CLAUDE ALAIN GRATZMULLER, A FRENCH CITIZEN, OF 30 AVENUE GEORGES MANDEL, 75116 PARIS, FRANCE.

Application No. 252/MAS/88 filed April 21, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims

A differential hydraulic jack, in particular for the control of high-voltage electric circuit-breakers, of the type in which the jack piston is unprovided with any packing ring forming a seal with the internal surface of the jack cylinder, wherein the cylinder wall has a plurality of through-bores extending in spaced relation over a distance corresponding to the range of travel of the piston, a displacement detector is housed within each through-bore aforesaid with its sensitive detection element directed toward the interior of the cylinder in order to be influenced by the passage of the piston opposite to the corresponding through-bore, sealing means are provided between each detector and the cylinder wall in order to ensure integrity of leak-tightness of the cylinder at the high pressure which prevails within said cylinder, and the output leads of the detectors are connected to an equipment unit for checking the position of the piston within the cylinder.

(Compl. specn. 16 pages;

Drgns. 2 sheets)

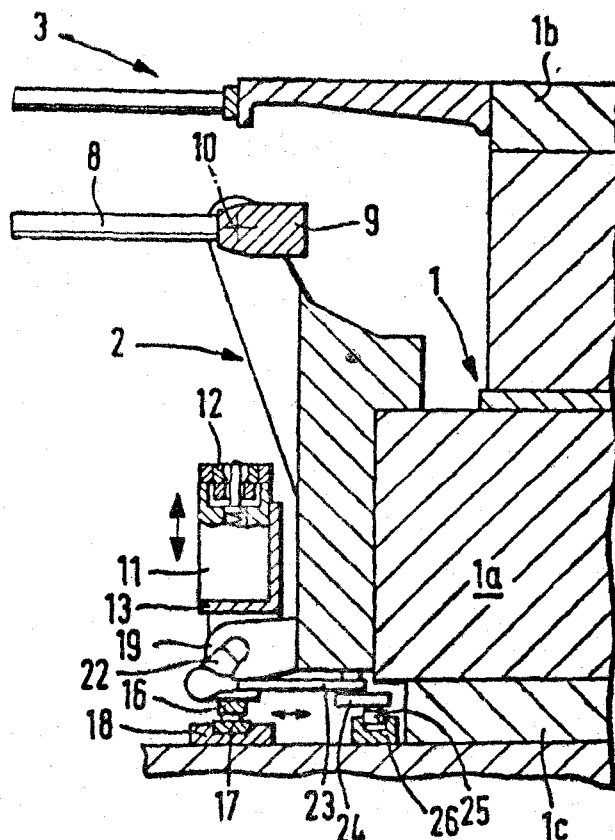
disposed relative to one another and transversely to the said circular path into a common axial position.

## 9 Claims

Drgs. Nil)

## 13 Claims

3-307GI/92

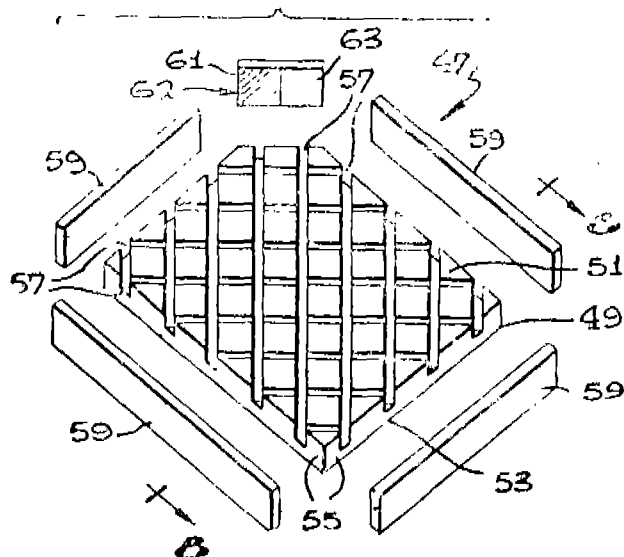


Drgs. 3 sheets)

## 17 Claims

a polygonal block in the cavity having at least three outer surfaces and a grid of intersecting waveguide channels formed therein; and

reflection means consisting of a plurality of mirrors located along an outer surface, the said mirrors and the said grid cooperating to define a folded optical path within the laser cavity.

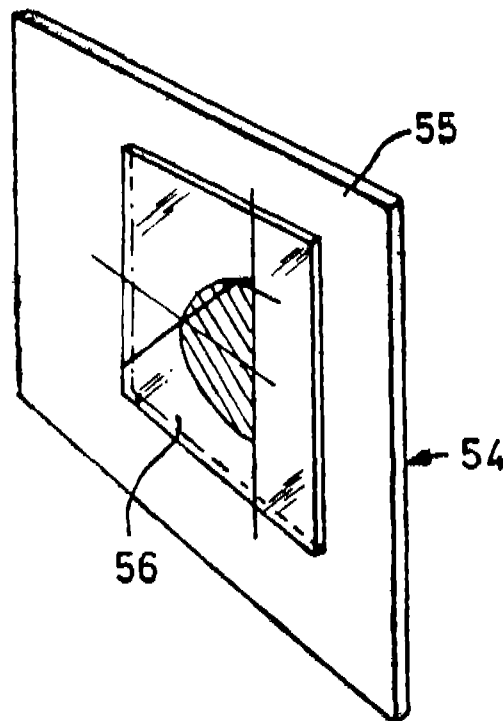
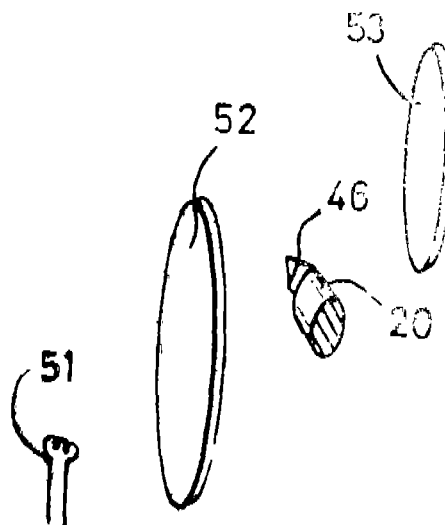


(Complete specification 27 pages

Drgs. 4 sheets)

straight line, the culet line which joins the girdle radius line and is inclined to the girdle radius line at the desired culet angle.

in use the first and second members being movable one with respect to the other whilst maintaining the girdle radius line parallel to the axis line and the join between the outlet line and the girdle radius line coincident with the girdle height line so that the girdle radius line represents the girdle position and the distance of the girdle radius line from the axis line represents the radius of the girdle.



(Compl. specu. 20 pages

Drgs. 3 sheets)

Ind. Class : 153 [GROUP XLIII(3)]

171495

Int. Cl.<sup>4</sup> : B 28 D 5/00.

A DEVICE FOR DETERMINING THE GIRDLE DIAMETER OF A GENSTONE.

Applicant : BRILCUT PATENTANSTALT, A LIECHTENSTEIN COMPANY, OF STAEDTLE 36, FL 9490 VADUZ, PRINCIPALITY OF LIECHTENSTEIN, LIECHTENSTEIN.

Inventor : ALEC LEIBOWITZ.

Application No. 401/Mas/90 filed May 22, 1990.

Convention date April 14, 1986; (No. 8608986; Great Britain).

Divisional to Patent Application No. 275/Mas/87;

Ante-dated to April 13, 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

## 2 Claims

A device for determining the girdle diameter of a genstone which has a table and is to be bruted, the device comprising :

a member having marked thereon two straight lines at 90° to each other, namely a table line which is to coincide with the table of the image of the stone and an axis line which is to indicate the axis of the stone, and a third straight line, the girdle height line, the girdle height line or its extension, passing through the intersection of the table line or its extension and the axis line or its extension, and the girdle height line being inclined to the table line by such an angle that at any point on the girdle height line the ratio of the distance from the table line to the distance from the axis line is equal to the desired ratio of the girdle height to the girdle radius; and

a second member which coacts with the first member and has marked thereon a first straight line, the girdle radius line, which will be maintained parallel to the axis line of the first member, and a second

Ind. Class : 32-F, [GROUP IX(1)]

171496

Int. Cl.<sup>4</sup> : C 07 C 154/00.

A CONTINUOUS PROCESS FOR THE PRODUCTION OF AN AQUEOUS SOLUTION OF A SALT OF TETRATHIOCARBONIC ACID.

Applicant : UNION OIL COMPANY OF CALIFORNIA  
dba UNOCAL, A U.S. CORPORATION OF 1201 WEST  
5TH STREET, LOS ANGELES, CALIFORNIA 90017,  
U.S.A.

Inventors : (1) MARJORIE MINK HATTER  
(2) CHARLES FUCHUEN WONG.

Application No. 756/Mas/90 filed September 24, 1990.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, Madras.

#### 8 Claims

A continuous process for the production of an aqueous solution of a salt of tetrathiocarbonic acid which comprises the following steps :

feeding continuously and simultaneously to a stirred reactor separate streams of molten sulfur, carbon disulfide and a sulfide salt selected from the group consisting of sodium sulfide, potassium sulfide, lithium sulfide, calcium sulfide and magnesium sulfide or reactants capable of forming such sulfide; maintaining the reactor under an atmosphere essentially free of oxygen at a temperature of 100°F to 180°F at a residence time of 1 hour to 7 hours and recovering continuously from the reactor an aqueous solution of a salt of tetrathiocarbonic acid having a concentration of 15 per cent by weight to 55 per cent by weight.

(Compl. specn. 26 pages

Drg. 1 sheet

Ind. Class : 32-F<sup>4</sup> [GROUP IX(1)]

171497

Int. Cl.<sup>4</sup> : C 07 C 154/00.

#### A PROCESS FOR THE PRODUCTION OF A SOLID SALT OF A THIOCARBONIC ACID.

Applicant : UNION OIL COMPANY OF CALIFORNIA,  
dba UNOCAL, A U.S. CORPORATION, OF 1201 WEST  
5TH STREET, LOS ANGELES, CALIFORNIA 90017,  
U.S.A.

Inventors : (1) CHARLES F. WONG  
(2) BRIAN J. KELLY  
(3) JAMES A. GREEN, II  
(4) DONALD C. YOUNG.

Application No. 757/Mas/90 filed September 24, 1990.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, Madras.

#### 22 Claims

A process for the production of a solid salt of a thiocarbonic acid which comprises evaporating a stabilized aqueous solution of a salt of a thiocarbonic acid to remove water from said solution and drying the solid resulting from said evaporating step, said solution being stabilized with a stabilizing amount of a member selected from the group consisting of sulfides, polysulfides, bases and mixtures thereof.

(Compl. specn. 35 pages

Drg. 1 sheet)

Ind. Class : 55-D<sub>2</sub> [GROUP XIX(1)]

171498

Int. Cl.<sup>4</sup> : A 01 N 37/30.

#### A PROCESS FOR PREPARING A HERBICIDE SALT.

Applicant : AKZO N.V., VELPERWEG 76, 6824 BM  
ARNHEM, THE NETHERLANDS, A DUTCH COMPANY.

Inventor : JOHANNES DE GRAAF.

Application No. 925/Mas/90 filed November 16, 1990.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, Madras.

#### 9 Claims. (No drawings)

A process for preparing a herbicide salt comprising the steps of reacting carbonate and or bi-carbonate or carbon dioxide with an alkylamine in an aqueous solution to obtain an aqueous alkylamine CO<sub>2</sub> complex in which each alkyl group contains 1 to 3 carbon atoms, reacting the said aqueous alkylamine CO<sub>2</sub> complex with a herbicide having an acidic functional group such as herein described to obtain the herbicide salt.

(Compl. specn. 13 pages.)

Ind. Class : 32-F.1 [IX(1)]

171499

Int. Cl.<sup>4</sup> : C 07 C 17/22; 19/08.

#### PROCESS FOR THE PREPARATION OF A PERFLUOROALKYL BROMIDE.

Applicant : ATOCHEM, FRENCH BODY CORPORA  
TE OF 4 & 8 COURS MICHELET LA DEFENSE 10, 92800  
PUTEAUX, FRANCE.

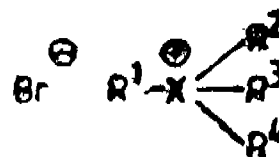
Inventors : (1) GILLES DRIVON  
(2) PIERRE DURUAL  
(3) ELIE GHENASSIA

Application No. 946/Mas/90 filed November 23, 1990.

Appropriate office for opposition proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, Madras.

#### 9 Claims

Process for the preparation of a perfluoroalkyl bromide, which comprises reacting at a reaction temperature of from ambient temperature to 150°C, a perfluoroalkanesulphonyl chloride of formula R<sub>F</sub>—SO<sub>2</sub>Cl wherein R<sub>F</sub> represents a straight-chain or branched perfluoroalkyl radical C<sub>n</sub>F<sub>2n+1</sub> containing from 1 to 20 carbon atoms, with an at least equimolar amount of a compound of the general formula shown in Figure (I) of the accompanying drawings,



in which X represents a nitrogen or phosphorus atom and the symbols R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> which are identical or different, each represents an alkyl, aryl or aralkyl radical, or R<sub>2</sub>, R<sub>3</sub> and R<sub>4</sub> together with X form a pyridine radical, it also being possible for one of these symbols R<sub>1</sub> to R<sub>4</sub> to be a hydrogen atom and recovering and perfluoroalkyl bromide obtained in a known manner.

The compounds prepared according to this invention are used as oxygen transporters in blood substitutes and as radioopaque agents.

(Compl. specn. 17 pages

Drg. 1 sheet)

Ind. Class : 32-F.2(b) [GROUP IX(1)]

171500

Int. Cl.<sup>4</sup> : C 07 D 249/08.

#### A PROCESS FOR THE PREPARATION OF TRIAZOLYL THIAMIDE COMPOUNDS.

Applicant : EGIS GYOGYSZERGYAR, OF 30-38,  
KERESZTURI UT, BUDAPEST X, HUNGARY, A HUN-  
GARIAN COMPANY.

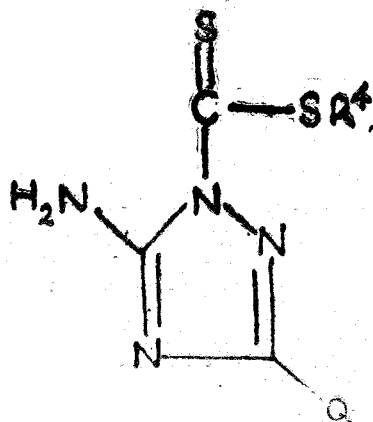
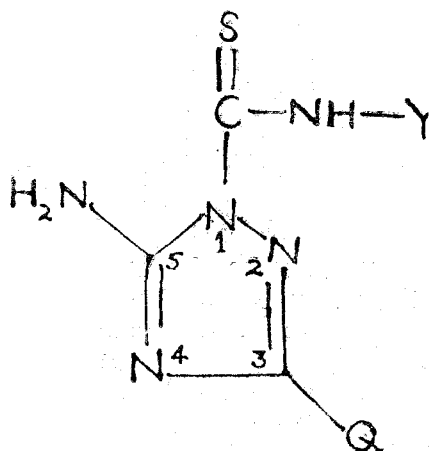
Inventors : (1) JOZSEF BARKOCZY  
 (2) JOZSEF REITER  
 (3) LASZLO PONGO  
 (4) LUIZA PETOCZ  
 (5) FRIGYES GORGENYI  
 (6) MARTON FEKETE  
 (7) GABOR GIGLER  
 (8) ISTVAN GACSALYI  
 (9) ISTVAN GYERTYAN.

Application No. 950/Mas/90 filed November 23, 1990.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Madras.

#### 4 Claims

A process for the preparation of triazolyl thiamide compounds of the general formula of figure 1 of the accompanying drawings,



which comprises reacting a triazolyl dithioester of the general formula of figure 2 of the accompanying drawings, wherein Q represents hydrogen,

thio-(C<sub>1-4</sub> alkyl), di-(C<sub>1-4</sub> alkyl)-amino, di-(C<sub>2-6</sub> alkenyl)-amino, or a 6-membered heterocyclic group comprising one or two nitrogen and/or oxygen atom(s) optionally bearing a C<sub>1-4</sub> alkyl substituent, with an amine derivative of the general formula (III)



wherein Y denotes C<sub>1-4</sub> alkyl bearing one or two hydroxy or C<sub>1-4</sub> alkoxy substituent(s), phenyl-(C<sub>1-4</sub> alkyl) bearing on the phenyl ring one or two C<sub>1-4</sub> alkoxy group(s), or phenoxy-C<sub>1-4</sub> alkyl substituted on the phenyl ring by a C<sub>1-4</sub> alkyl bearing a heterocyclic group containing a nitrogen atom, the said reaction is carried out between a temperature range of 0°C-160°C and isolating the product thus obtained from the reaction mixture in a known manner and if desired converting a compound of the general formula of figure 1 of the accompanying drawings into a pharmaceutically acceptable acid addition salt thereof

(Com -24 pages; Drwgs -1 sheet)

Ind. Class : 116-F-[GROUP—XLIX]

171501

Int. Cl.<sup>4</sup>: B 66 B 1/34; 1/36.

#### ARRIVAL REGULATING DEVICE FOR A LIFT.

Applicant : INVENTIO AG, A SWISS COMPANY, OF SEESTRASSE 55, 6052 HERGISWIL NW, SWITZERLAND.

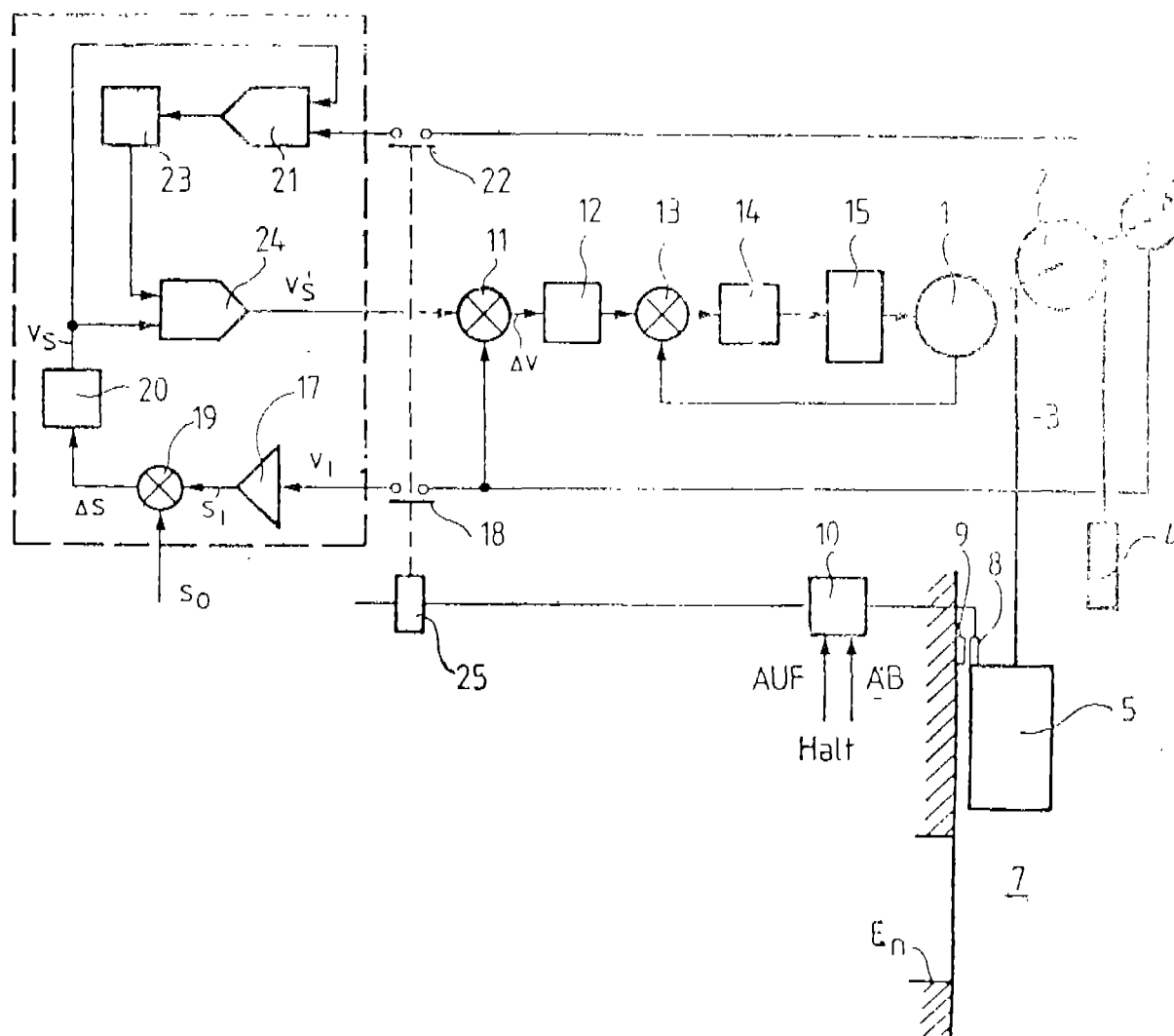
Inventor : KLAUS-JURGEN KLINGBEIL.

Application No. 348/Mas/88 filed May 24, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 3 Claims

Arrival regulating device for a lift having a polyphase alternating current motor (1), coupled with a tachometer dynamo (6), a setting member (15) for regulating the rotational speed during the arrival phase and a target value transmitter (16), switchable at the beginning of the arrival phase having an integrator (17) for integrating an actual speed value produced by the tachometer dynamo (6) and the said integrator is connected at the output side with a subtractor (19) to provide a travel difference proportional to the target speed value from an actual travel formed by the said integrator (17) and a travel corresponding to the arrival distance, comprises a divider (21) with one of its input connected to the said tachometer dynamo (6) and the other input connected to the output of a travel curve store (20), in which travel-dependent target speed values (vS) are stored and the input of the said travel curve store (20) stands in connection with the subtractor (19), the said divider (21) before the beginning of the braking phase forms a factor (y) from an actual speed value (vio) and a nominal speed value (vso), a storage equipment (23) connected at the output of the said divider (21) and in which the said factor (y) is stored during the arrival phase, and a multiplier (24) with one of its input connected to the output of the said storage equipment (23) and the other input connected to the output of the said travel curve store (20), wherein the said target speed values (vso) of the travel curve store (20) which correspond to the travel differences of the said subtractor (19) are multiplied by the factor (y) and connected to a speed regulating circuit.



(Com.—12 pages;

Drg.—1 sheet)

Ind. Class - 129-G - GROUP - XXXV

171502

Int. Cl.: B 22 C 1/00; 7/00

A METAL CASTING PATTERN AND A METHOD OF MAKING THE SAME.

Applicant: FOSECO INTERNATIONAL LIMITED, A BRITISH COMPANY OF 285 LONG ACRE, NECHELS, BIRMINGHAM, B 7 5JR, ENGLAND.

Inventors: (1) JOHN RICHARD BROWN  
(2) NIGEL KEITH GRAHAM  
(4) RUSSELL ADRIAN KING

Application No. 362/Mas/88 filed May 26, 1988.

Convention date: June 10, 187; (No. 8713569; Great Britain)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

8 Claims

A metal casting pattern of expended thermoplastics material, said pattern comprising a first sprue or runner part, a second sprue or runner part, and a filter comprising a porous ceramic body located between said two parts, the cross-sectional area of the first part being larger than that of the

second part, said porous ceramic body being a foam structure and being totally enclosed in said expended thermoplastics material.

(Com.—12 pages; Drawgs.—2 sheets)

Ind. Class - 42-A5 - GROUP—XVI

171503

Int. Cl.: A 24 D 3/04

A METHOD OF MAKING A TOBACCO SMOKE FILTER ELEMENT.

Applicant: BRITISH-AMERICAN TOBACCO COMPANY LIMITED OF P. O. BOX 482 WESTMINSTER HOUSE, 7 MILLBANK, LONDON SW 1 P 3 JE, A BRITISH COMPANY.

Inventors: (1) JOHN ANTHONY LUKE  
(2) WILLIAM JOHN STONE

Application No. 363/Mas/88 filed May 26, 1988.

Application date: MAY 28, 1987; (No. 8712617; United Kingdom)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims (No drawing)

A method of making a tobacco smoke filter element comprising fomed filtration material, wherein a particulate plastics material comprising one or more of the group of polypropylene, cellulose acetate, polyethylene, polyester, viscose and nylon, a polysaccharide comprising one or more of the group of starch, modified starch, cellulose and modified cellulose, and, optionally, a binder, and water are fed to an extruder, the inclusion levels on a dry weight basis of the materials fed to the extruder being 5% to 95% for the plastics material, 95% to 5% for the polysaccharide and 0% to 5% for the binder, the polysaccharide, plastics material binder either being blended together before being fed to the extruder or being fed directly to the extruder, and the extruder being operated under such heat and pressure conditions that immediately upon emergence of the extrudate from the extruder die, water, or at least a portion thereof, flashes into steam, thereby creating cells within the extrudate and a consequent swelling whereby the extrudate assumes a cross-section greater than that of the exit orifice of said extruder die, said extrudate being further processed into smoking article filter rod lengths by being fed continuously to the garniture of a filter making machine, or by being shredded and the thus produced particulate material being fed to a cigarette making machine.

(Com. - 12 pages)

Ind. Class. 151 B [XLVIII(2)]

171509

Int. Class.<sup>4</sup> - B 08 B 9/04.

"A PIPELINE PIG"

Applicant: BRITISH PIPELINE AGENCY LIMITED.

OF LORD ALFXANDER HOUSE WATERHOUSE STREET HEMEL HEMPSTEAD, HERTFORDSHIRE HP1 1 EJ, UNITED KINGDOM.

and

KERSHAW INTERNATIONAL LTD. OF OAK BANK, PEARCE LANE, WINGERWORTH, CHESTERFIELD, DERBYSHIRE S 42 6 RA. UNITED KINGDOM.

Inventor: CHRISTOPHER FRANK KERHAW.

Application No. 374/MAS/88 filed on 31st May 1988.

Convention dated: 4th June 1987, No. 8713031 (U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Branch, Madras.

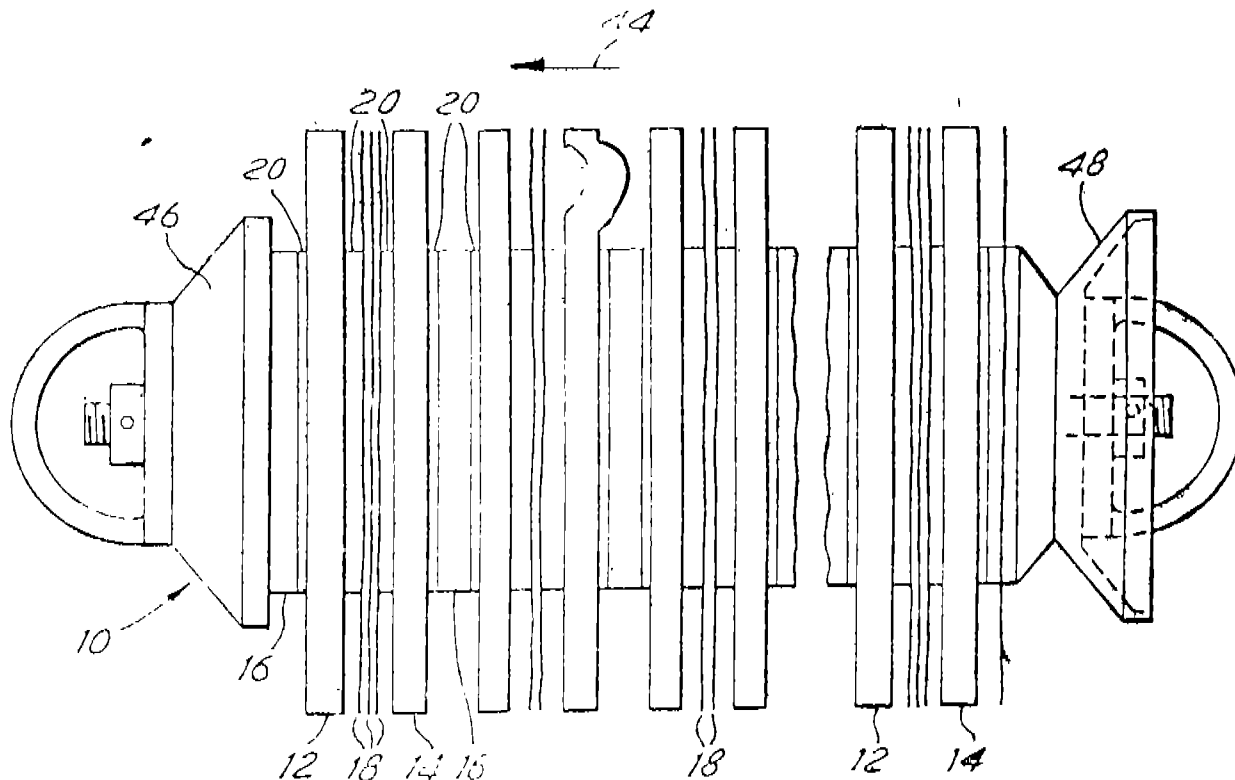
## 17 Claims

A pipeline pig for use in and passage through a fluid transportation pipeline, comprising;

(a) a central shaft;

(b) a plurality of similar circular, radial-bristle, planar brushes carried at axially-spaced position on the central shaft in planes normal to the longitudinal axis of the shaft; and

(c) means for securing said brushes in position on the shaft.



(Complete Specification 13 pages:

Drawings 2 sheets)

Ind. Cl. : 141-A [GROUP-XXXIII(8)]

171505

Int. Cl.-C 22 B 1/14

A PROCESS OF AGGLOMERATING A MINERAL ORE CONCENTRATE

Applicant: UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF AMERICA, OF OLD RIDGEBURY ROAD DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

Inventors: (1) MEYER ROBERT ROSEN, (2) GREGORY JOHN DORNSTAUER and (3) LAWRENCE MARLIN.

Application No. 379/Mas/88 filed June 2, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 7 Claims

A process of agglomerating a mineral ore concentrate comprising mixing said mineral ore concentrate with a dispersion of a poly (acrylamide) based polymer such as

herein described having an active polymer concentration of 0.001 to 0.3 in a non-aqueous dispersion medium, in which the said polymer is insoluble.

Com.-68 pages;

Drawing one sheet.

Ind. Cl. : 205-B&G [GROUP-LVI]

171506

Int. Cl.<sup>4</sup> : B 60 C 23/10.

#### A DEVICE FOR INFLATING A ROTATING TIRE

Applicant: COMPAGNIE GENERALE LES ETABLISSEMENTS MICHELIN-MICHELIN & CIE, OF 4 RUE DU TERRAIL, 63000 CLERMONT-FERRAND, FRANCE, A FRENCH COMPANY.

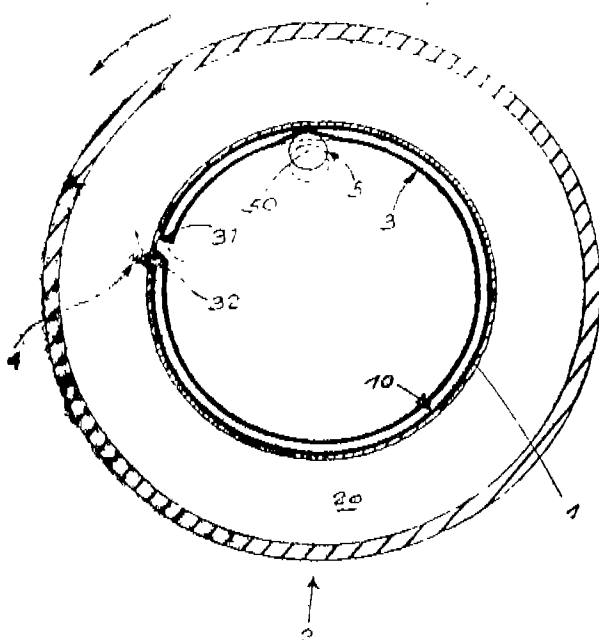
Inventors: (1) ANDRE DOSIOUB and (2) GALUDE LESCOFFIN.

Application No. 486/Mas/88 filed July 11, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 7 Claims

A device for inflating a rotating tire, comprising : a deformable hose mounted for rotation with a tire, said hose being arranged at least in part substantially along an arc of a circle and coaxial with the tire, said hose having one open end in communication with atmospheric pressure and another open end in communication with a gas pressure of volume inside the tire; means for locally reducing the sectional area of the hose when the tire is mounted on a vehicle, said reducing means being stationary relating to the rotation of the tire said means being either active or inactive; and check valve means connected between said another end of said hose and the volume inside the tire for permitting gas flow only from said hose to the volume inside the tire, whereby when said means for locally reducing are active, a rotation of the tire causes a local reduction in the sectional area of said hose to move along the length of said hose and compress air therein, the compressed air pressure being transferrable to the volume inside the tire via said open end.



Com. 15 pages;

Drwgs. 6 sheets.

Ind. Cl. 32 B [IX(1)]

171507

Int. Cl.<sup>4</sup> : C 07 C 6/00.

A process for producing aromatic concentrates of high value such as xylene and benzene, from toluene.

Applicant : MOBIL OIL CORPORATION A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK OF 150 EAST 42ND STREET NEW YORK 10017 U.S.A.

Inventors: (1) ROBERT PETER ABSIL, (2) DAVID OWEN MARLER, (3) SCOTT HAN and (4) DAVID SAID SHIHABI.

Application No. 571/Mas/88 filed on 10th August 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 7 Claims

A process for producing aromatic concentrates of high value such as xylene and benzene, from toluene comprising contacting toluene at a temperature in the range of 316°C to 593°C, a pressure in the range of atmospheric pressure to 7000 KPa, a hydrogen/hydrocarbon mole ratio of 0 to 10 and a weight hourly space velocity based on the weight of active catalyst component of 0.1 to 30 hr<sup>-1</sup> with a catalyst composition comprising a crystalline zeolite having a silica/alumina mole ratio greater than 12 and less than 55, a constraint index of 1 to 12 and a diffusion rate constants of less than 150 sec<sup>-1</sup>.

(Compl. Specn. 14 Pages;

Drwg 1 Sheet)

Ind. Class : 172-D<sub>4</sub> [GROUP-XX]

171508

Int. Cl.<sup>4</sup> : D 01 H 7/882.

#### AN IMPROVED METHOD AND A DEVICE FOR PRODUCING THREAD BY JOINING A THREAD IN AN OPEN-END SPINNING DEVICE.

Applicant : SCHUBERT & SALZER MASCHINEN-FABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, D-8070-INGOLSTADT, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

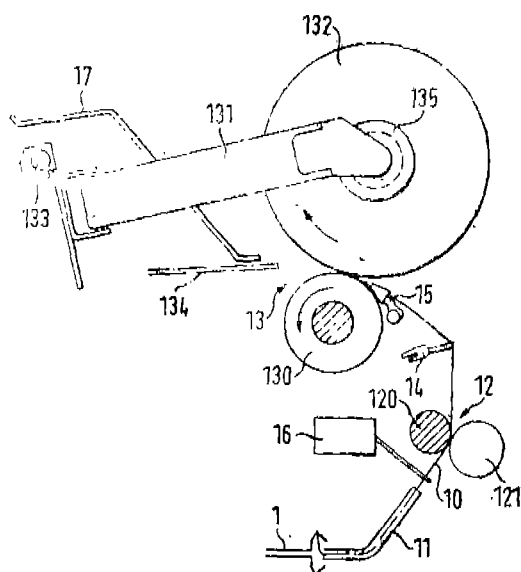
Inventors: (1) RUPERT KARL  
(2) WALTER MAYER  
(3) HUBERT LOCHBRONNER.

Application No. 767/Mas/88 filed November 2, 1988.

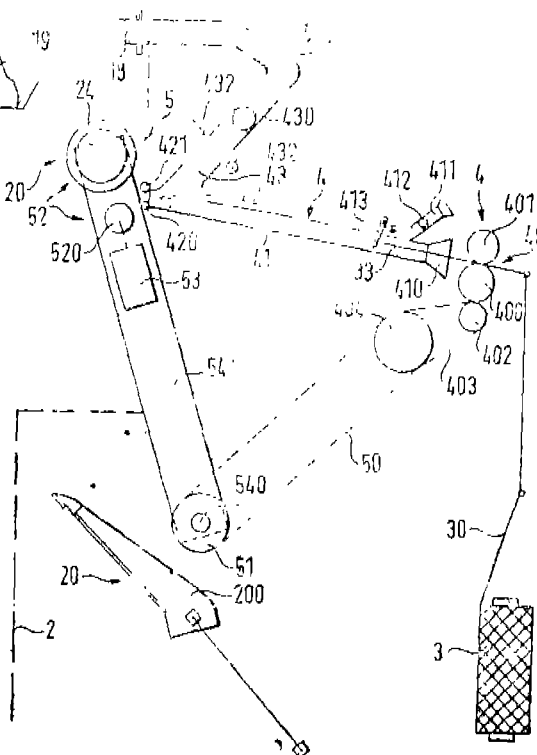
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 44 Claims

In a method of producing thread by joining a thread in an open end spinning device to the spinning device either from a spooling device on which it was previously wound on a spool during the spinning process, or from a special piecing spool, the thread drawn off the special piecing spool, when returned during the piecing process, is brought to near the spooling device, from which it is returned to the spinning device along a return path which coincides with the return path of the thread drawn off the other spool. the thread drawn off the piecing spool, after the join has been made, is first subjected near the spooling device to the action of a controllable draw-off means and is removed and the subsequently-delivered thread first reach the full drawing-off speed before it is subjected to the action of the normal spinning draw-off means and transferred to an empty former in the spinning device, when the excess portion of thread and the join are cut off and removed.



(Compl. specn. 61 pages;



Drgs. 14 sheets)

Ind. Class : 24-D.4 [GROUP-LV]

171509

Int. Cl.: F 16 D 65/00; 65/02.

**BRAKE ACTUATOR AIR CHAMBER MOUNTING DEVICE.**

Applicant : LUCAS INDUSTRIES PUBLIC LIMITED COMPANY, A BRITISH COMPANY, OF GREAT KING STREET, BIRMINGHAM 19, ENGLAND.

Inventor : JOHN ARTHUR URBAN.

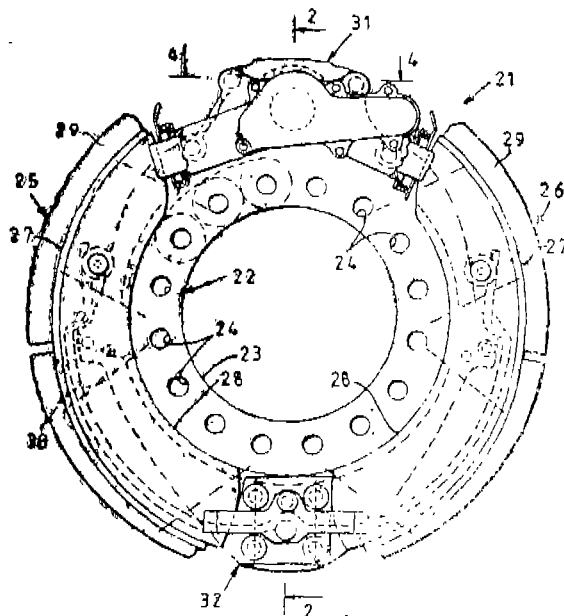
Application No. 893/Mas/88 filed December 14, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

**10 Claims**

A mounting for the power unit of a brake having a support member fixed relative to an associated braking member rotatable about a rotational axis, a pair of braking elements supported for movement relative to said support member between a retracted position and an engaged position with the braking member, a cam shaft for actuating the braking elements and supported for rotation about an axis offset from said rotational axis, an actuating lever fixed to said cam shaft for rotating said cam shaft to actuate said braking elements, said mounting including a mounting bracket fixed relative to said support member adjacent said lever for attaching said power unit to the mounting bracket for actuating said cam shaft by way of said lever, said bracket having first and second mutually angled planar elements and a third planar element integral with and perpendicular to both of the first and second element to beyond the junction between all of the elements, the third element being arranged in or adjacent the plane of the brake containing the rotational axis and inclined in that plane relative to the axis, the bracket including a pair of spaced apertures to receive fixing means and arranged so that a line joining the centres of

the apertures is inclined to the rotational axis and extends generally longitudinally of the second element.



(Compl. specn. 11 pages;

Drgs. 3 sheets).

Ind. Class : 50 B [VII(1)]

171510

Int. Cl.: F 28 C 1/02.

**AN IMPROVED COUNTERFLOW COOLING WATER TOWER.**

Applicant : BALTIMORE AIRCOIL COMPANY INC., 7595 MONTEVIDEO ROAD, JESSUP, MARYLAND 20794, U.S.A.

Inventor : BRYAN F. GARRISH.

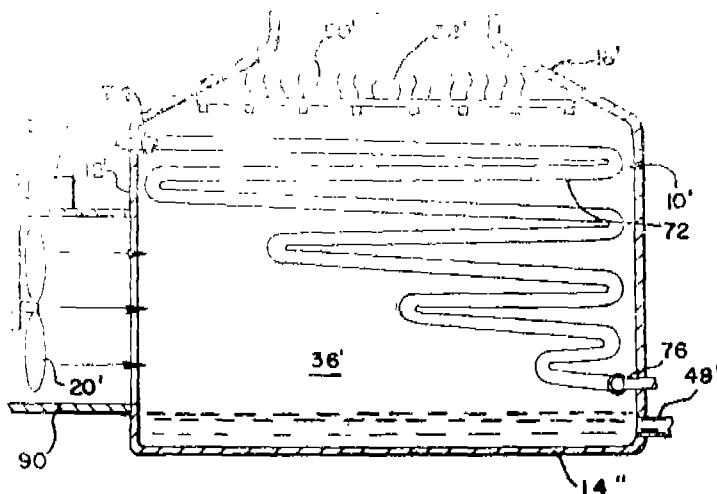
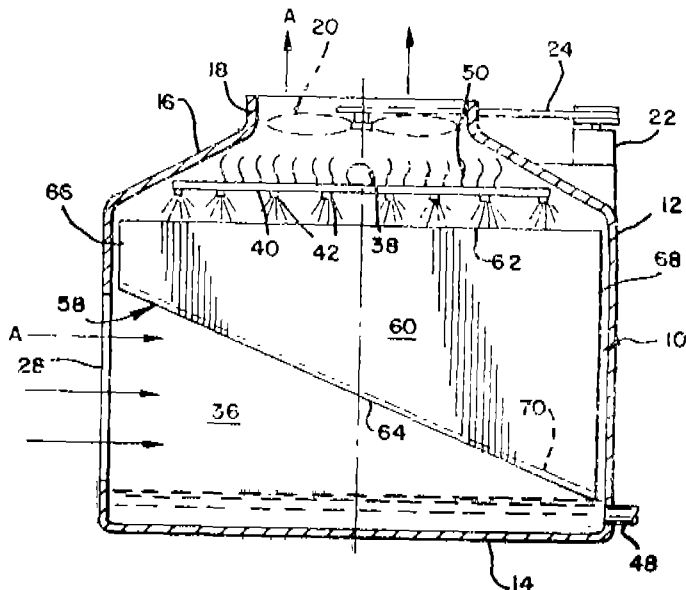
Application No. 9/MAS/89, filed on 4th January 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch Madras.

### 8 Claims

An improved counterflow cooling water tower comprising an enclosure having vertical walls having one wall with an air inlet in a lower portion thereof and a second wall opposite said one wall; a plurality of heat transfer media extending across said enclosures from about said one wall to about said second wall so as to form a plurality of parallel air passageways, said passageways being aligned with said air

inlet and perpendicular to said one wall, each of said media having an upper extremity extending in a horizontal substantially straight line above said air inlet from about said one wall to said second wall, each of said media also having a lower extremity sloping downwardly in one direction from said one wall above said air inlet along a substantially continuous line to about said second wall whereby to define a plenum space inward of said air inlet, said plenum space having an interface with the lower extremity of said media which slopes continuously downwardly in one direction from said one wall to said second wall.



(Compl. specn. 18 pages;

Drgs. 3 sheets)

Ind. Class : 84-B [GROUP-XXXII(2)]

171512

Int. Cl<sup>4</sup> : C 10 G 35/09.

### A CATALYTIC REFORMING PROCESS.

Applicant : CHEVRON RESEARCH COMPANY, A CORPORATION DULY ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A. OF 555 MARKET STREET, SAN FRANCISCO, CALIFORNIA, UNITED STATES OF AMERICA.

Inventors : (1) HONG CAIU CHEN, (2) CLIFF MICHAEL LETZ, (3) PAUL WHITEFIELD TAMM.

Application No. 398/Mas/88 filed June 13, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

### 9 Claims

A catalytic reforming process comprising :

- (a) contacting a naphtha feed with a first catalyst comprising rhodium platinum, and having a rhodium to platinum weight ratio of at least 1:7, at a temperature of between 750 degrees fahrenheit and 1000 degrees fahrenheit and a pressure of between 100 and 350 psig and a liquid hourly space velocity of between 0.5 and 4.0 in one or more forward refor-

ming stages of a reforming unit to obtain an intermediate reformat: and

- (b) contacting the intermediate reformat, under catalytic reforming conditions in a last stage of the reforming unit, with a last stage catalyst comprising 0.2 to 2.0 weight percent platinum, and sufficient rhenium that the last stage catalyst has at least 0.5 weight percent rhenium beyond that necessary to attain a 1.7 weight ratio of rhenium to platinum; and

- (c) recovering a product reformat.

(Compl. specn. 17 pages;

Drgs. 2 sheets)

Ind. Class : 40-H [GROUP-IV(1)]

171513

Int. Cl.<sup>4</sup> : B 01 D 53/02.

#### PRESSURE SWING ADSORPTION PROCESS AND APPARATUS.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF OLD RIDGEBURK ROAD, DANBURY, STATE OF CONNECTICUT 06817, U.S.A.

Inventors : (1) JORG STOCKER, (2) MICHAEL WHITSALL

Application No. 406/MAS/88 filed June 15, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 5 Claims

A pressure swing adsorption process for separating a multi-component gas stream having different adsorption characteristics employing a plurality of pressure swing adsorption vessel, each containing an adsorbent and void space, comprising :

- (a) supplying said multi-component gas stream to a feed end of a first pressure swing adsorption vessel at a first elevated pressure while withdrawing the desired product gas comprising a less strongly adsorbed component through a controllable valve from a discharge end of said first vessel;
- (b) terminating supplying said multi-component gas stream to said first vessel;
- (c) withdrawing a void space gas to cocurrently depressurize said first vessel, and
  - (i) for a first period (equalization step-step 4 of fig. 4), supplying said void space gas to a second pressure swing adsorption vessel at an elevated pressure lower than that of said first vessel to equalize its pressure with said first vessel; and
  - (ii) for a later period (purge step-step 6 of fig. 4), supplying said void space gas to a further pressure swing adsorption vessel at a still lower but elevated pressure to purge said later vessel of impurities.
- (d) purging said first vessel of impurities;
- (e) partially repressurizing said first vessel to a second elevated pressure; and
- (f) product repressurizing said first vessel to said first elevated pressure by supplying product gas through said valve previously employed to withdraw product gas therefrom.

(Compl. specn. 21 pages;

Drgs. 4 sheets)

Ind. Class : 32-E [GOUP-IX(1)]

171514

Int. Cl.<sup>4</sup> : C 08 F 210/02.

#### PROCESS FOR THE PREPARATION OF ULTRASTRETCHABLE POLYMER MATERIAL FROM POLYOLEFINE PARTICLES.

Applicant : STAMICARBON B.V., OF MIJNWEIG 1, 6167 AC GELEEN, THE NETHERLANDS, A DUTCH COMPANY.

Inventors : (1) GEERT NICOLAAS WAAGEN, (2) CORNELIS WILHELMUS MARIA BASTIAANSEN, (3) ROBERT KIRSCHBAUM.

Application No. 415/MAS/88 filed June 17, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 6 Claims (No drawing)

Process for the preparation of ultrastretchable polymer material from polyolefine particles with a low entanglement density and a weight average molecular weight ( $M_w$ ) higher than 400,000, comprising densifying a mixture of the said polyolefine particles with 1 to 100 wt % based on the weight of the polymer and an auxiliary agent selected from xylene tetraline, decaline, paraffin oil and paraffin wax at a temperature below the melting point of the pure polyolefine and 30°C below the Flory-Huggins temperature.

(Compl. specn. 11 pages;

Drg. Nil)

Ind. Class : 37-A & 94-H [GROUPS-XXXIV(1) & XXXIV (2)].

Int. Cl.<sup>4</sup> : B 02 C 4/00, B 04 C 1/00.

#### METHOD OF PRODUCING SOLID PARTICLES OF REDUCED MEDIAN PARTICLE SIZE, OTHER THAN ALUMINA HYDRATE.

Applicant : AICAN INTERNATIONAL LIMITED, A CANADIAN COMPANY, OF 1188 SHERBROOKE STREET WEST, MONTREAL, QUEBEC, CANADA H3A 3G2.

Inventors : (1) HERBERT FRANK ASKEW, (2) STEPHEN CLIFFORD BROWN.

Application No. 485/Mas/88 filed July 11, 1988.

Convention date : July 9, 1987; (No. 87 16213; Great Britain).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

#### 9 Claims

A method of producing solid particles of reduced median particle size, other than alumina hydrate, which comprises milling a liquid suspension of solid particles in an agitated media mill, pumping the milled suspension through a particle size classification device to separate the slurry into a coarse fraction and a fine fraction the particles of the coarse fraction having a greater median particle size than the particles of the fine fraction, recycling the coarse fraction from the particle size classification device to the input of the mill, and recycling the fine fraction by pumping it to the classification device, wherein recycling of both coarse and fine fractions are continued until solid particles of the desired reduced particle size are produced.

(Compl. specn. 18 pages;

Drgs. 3 sheets)

Ind. Class : 172-D, [XX]

171516

Int. Cl.<sup>4</sup> : D 01 H 7/04.

#### A TWO-FOR-ONE TEXTILE YARN TWISTING MACHINE SPINDLE ASSEMBLY.

Applicant : PALITEX PROJECT-COMPANY GmbH, OF WEESERWEG 60, 4150 KREFELD 1, GERMANY, GERMAN COMPANY.

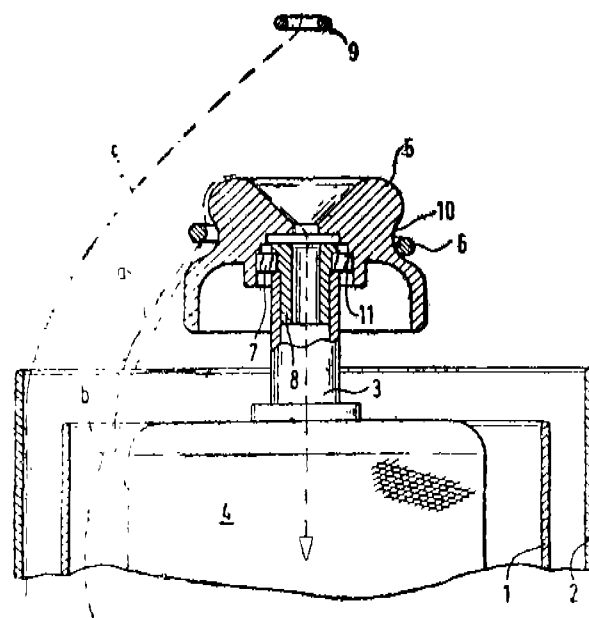
Inventor : JOHANNES FRENTZEL-BEYME.

Application No. 633/Mas/88 filed September 7, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 17 Claims

A two-for-one textile yarn twisting machine spindle assembly having at least two supply packages of yarn mounted concentrically therein one above the other for simultaneous and separate withdrawal of yarns therefrom in a common direction, and a yarn inlet tube mounted concentrically with said yarn supply packages and having an upper end portion extending above said yarn supply packages for simultaneously receiving therein the yarns withdrawn from said supply packages; the improvement therein of a yarn brake mechanism for applying substantially uniform tension to the yarns moving from said supply packages to said yarn inlet tube without one yarn affecting the tension on the other yarn and comprising slip-on member means having bearing means for being rotatably mounted on said upper end portion of said yarn inlet tube for rotation relative thereto by frictional engagement of the yarns moving into said yarn inlet tube from said supply packages so that the rotational speed of said slip-on member means is commensurate with the rotational speed of the yarns, said slip-on member comprising a rotationally symmetrical member having a necked-down portion; and brake ring means for being floatingly received and mounted in said necked-down portion of said slip-on member means and for receiving the separate yarns between said brake ring means and said slip-on member means as the yarns move from said supply packages to said yarn inlet tube.



(Compl. specn. 14 pages;

Drgs. 2 sheets)

Ind. Class : 136 E [GROUP-XIII]

171517

Int. Cl.<sup>4</sup> : B 29 C 51/18.

# A METHOD OF MANUFACTURING A HOLLOW ARTICLE SUCH AS CONTAINER BY THERMOFORMING AND AN APPARATUS FOR THE SAME.

Applicant : HITEX LIMITED, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF VICTORIA, AUSTRALIA OF 473 SWAN STREET, RICHMOND, VICTORIA 3121, AUSTRALIA.

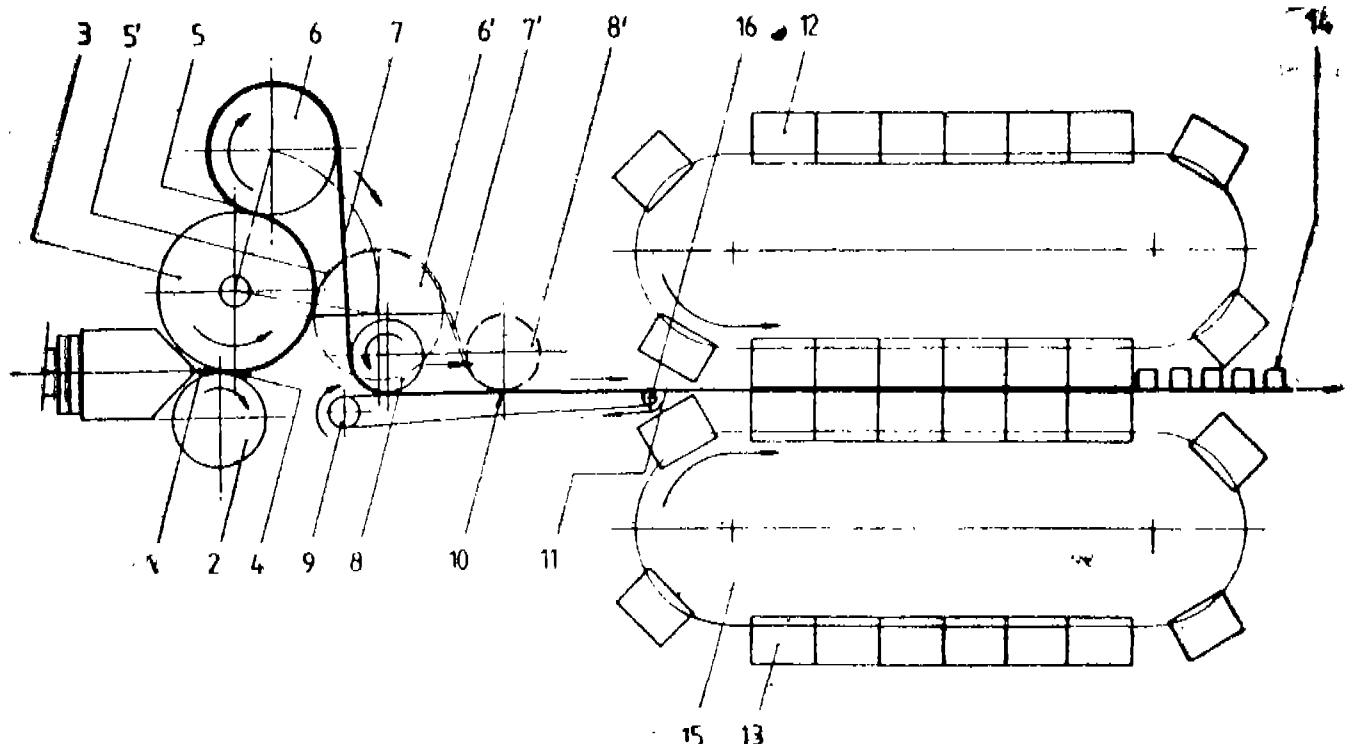
Inventor : ANTHONY EARL FLECKNOE-BROWN.

Application No. 637/Mas/88 filed September 9, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 18 Claims

A method of manufacturing a hollow article such as container by thermoforming comprising the steps of extruding a web of thermoplastic material directly into a set of temperature controlled tempering rolls, cooling upper and lower surface layers of the said web by passage through said tempering rolls while maintaining the interior of the said web in molten condition between the said surface layers, feeding the partially cooled web onto a conveyor, allowing the said web to remain on the said conveyor over such a length of the conveyor and for such a time until the surface layer of the said web which is in contact with the said conveyor has been reheated by the molten interior of the web to a thermoformable temperature below the temperature at which the web will stick to the conveyor, and conveying the web to the entry of a thermoformer.



(Compl. specn. 31 pages;

Drgs. 9 sheets)

Ind. Class : 128-F&amp;G [GROUP XIX(2)]

171518

Int. Cl.<sup>4</sup> : A 61 M 15/00.**AN INHALATION DEVICE FOR USE WITH AN AEROSOL MODULE.**

Applicant : GLAXO INC., A CORPORATION ORGANISED UNDER THE LAWS OF NORTH CAROLINA, UNITED STATES OF AMERICA OF FIVE MOORE DRIVE, RESEARCH TRIANGLE PARK, NC 27709, UNITED STATES OF AMERICA.

Inventors : (1) RICHARD CHARLES JULIUS PALSON  
(2) JOHN CREIGHTON ARMSTRONG.

Application No. 689/Mas/88 filed October 4, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

**16 Claims**

An inhalation device for use with an aerosol module having a body portion and a discharge stem movable with respect to the body portion from a disabling position in which it prevents discharge to an enabling position in which it permits discharge, the device comprising :

- (a) a housing;
- (b) a cradle in the housing for receiving the aerosol module, said cradle being movable with the body portion of the aerosol module relative to the housing;

(c) a discharge nozzle member mounted in the housing for receiving the discharge stem;

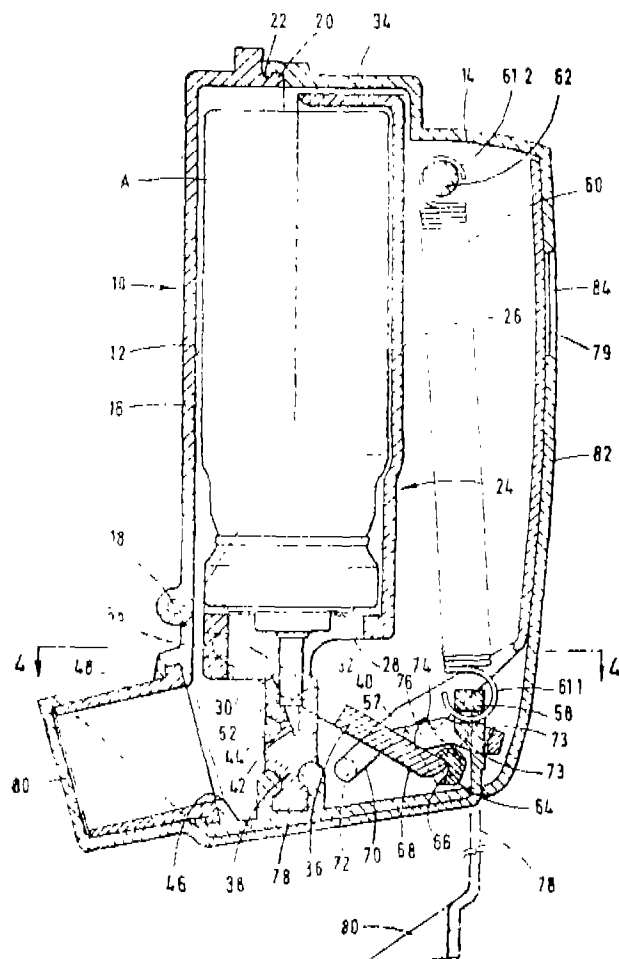
(d) a lever mounted in the housing for moving the cradle relative to the housing;

(e) spring means connected to the lever biasing the lever in a direction to enable the stem to discharge;

(f) means for restraining movement of said lever in said enabling direction, said restraining means comprising a pivotally mounted sear with which the lever is engageable; a latch engageable with the sear for holding the sear and thereby the lever in a position such that the stem is disabled; and means for disengaging the latch from the sear such as to permit the spring to move the lever to a position to enable the discharge stem

(Compl. specn. 23 pages:

Drgs. 6 sheets)



Ind. Class : 158 E 1, 2, 4 [I,II(2)]

171519

Int. Cl.<sup>4</sup> : B 61 F 5/00.**A RAILWAY CAR TRUCK**

Applicant : AMSTED INDUSTRIES INCORPORATED OF 44TH FLOOR-BOULEVARD TOWERS SOUTH 205 N. MICHIGAN AVENUE CHICAGO, ILLINOIS 60601 A CORPORATION OF DELAWARE U.S.A.

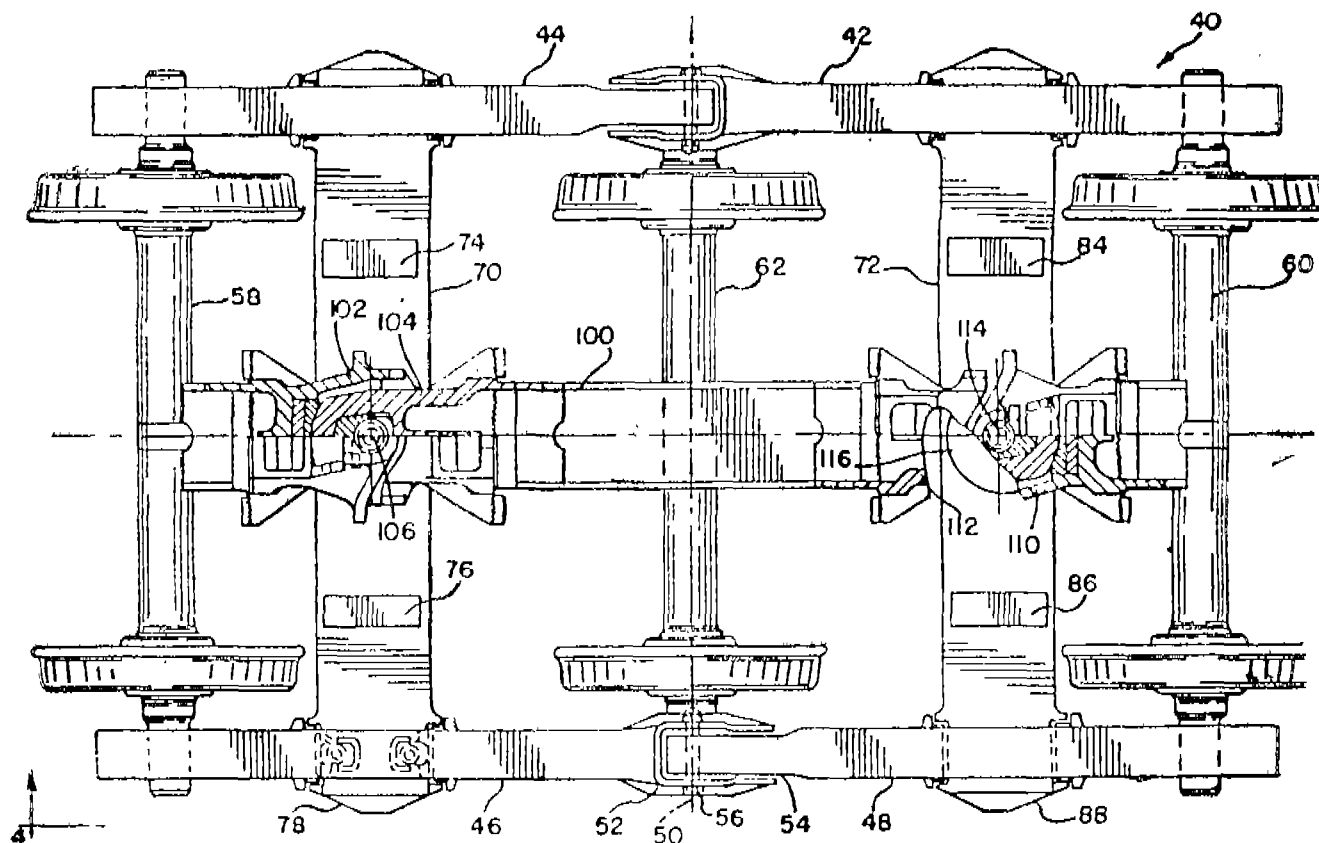
Inventor : CHARLES MOEHLING.

Application No. 705/Mas/88 filed on 10th October, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch

**8 Claims**

A railway car truck comprising two generally parallel sideframes at lateral edges of said truck, three axles extending laterally between said sideframes with a wheel affixed near each axle end, a center one of said axles extending laterally at about the longitudinal center line of said sideframes, two bolsters each extending laterally between said sideframes and located longitudinally between the one center axle and an outer axle, a centerplate at a lateral center point of each of said bolsters, connecting means extending between said bolster centerplates, said connecting means having a shank portion and two end portions, and pin means extending to said bolster centerplate received in each said connecting means end portion.



(Compl. specn. 13 pages;

Drg. 1 sheet)

Ind. Cl. : 69 N [LIX(1)]

171520

Int. Cl. : H 01 H 33/00

## A GAS CIRCUIT INTERRUPTER.

Applicant : MITSUBISHI DENKI KABUSHIKI KAISHA, A JURIDICAL PERSON ORGANIZED AND EXISTING UNDER THE LAWS OF JAPAN, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

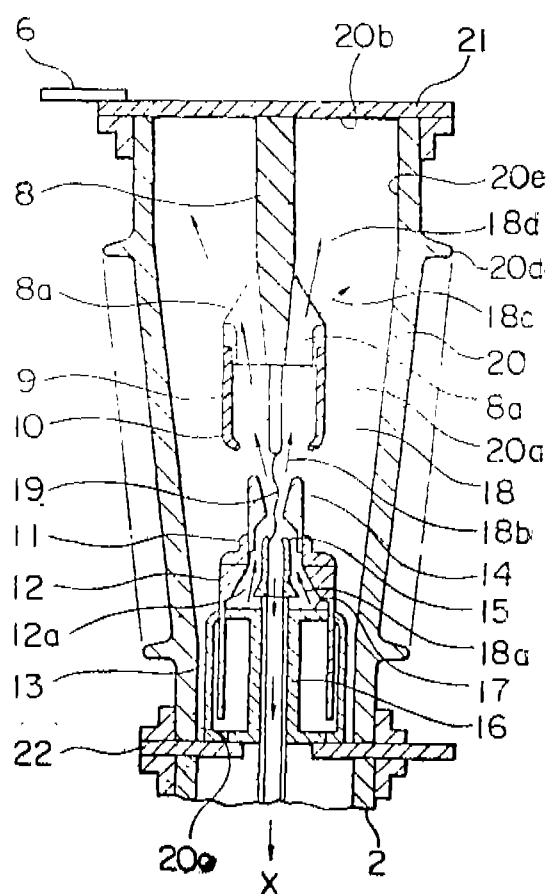
Inventor : NORICHICA TOSHIMA.

Application No. 870/Mas/88 filed on 6th December, 1988

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

## 2 Claims

A gas circuit interrupter comprising a movable contact and a stationary contact for closing and separating a main circuit; and an insulating tubular housing defining an arc extinguishing chamber of a frustoconical configuration closed at its wide and narrow ends; said movable contact being disposed in said frustoconical arc extinguishing chamber at its smaller inner diameter end, said stationary contact being disposed in said frustoconical arc extinguishing chamber at its larger inner diameter end; and an electrically insulating gas is sealed inside said frustoconical arc extinguishing chamber.



(Compl. specn. 12 pages;

Drgs. 3 sheets)

## OPPOSITION PROCEEDING

An opposition has been entered by M/s Godrej Soaps Limited, Bombay to the grant of a patent on patent Application No. 170480 (274/BOM/1988) made by Hindustan Lever Limited, Bombay.

## CLAIM UNDER SECTION 20(1)

The claim made by THE PIAGGIO VEICOLIEUROPEI S.p.A, under section 20(1) of the Patent Act, 1970 to proceed the Patent No. 163823 in their name has been allowed.

The claim made by SANDOZ LTD. in connection with Patent Application No. 290/Mas/88 (171492) has been allowed.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras and Delhi at two rupees per copy:—

## (1)

159229	159230	159231	159232	159233	159234	159235
159236	159237	159238	159239	159240	159241	159242
159243	159244	159245	159246	159247	159248	159249
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159257	159258	159259				

## (2)

159260	159261	159262	159263	159264	159265	159266
159267	159268	159269	159270	159271	159272	159273
159274	159275	159276	159277	159278	159279	159280
159281	159282	159293	159284	159285	159286	159287
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## (3)

159295	159296	159297	159298	159299	159300	159301
159302	159303	159304	159305	159306	159307	159308
159309	159310	159311	159312	159313	159314	159315
159316	159317	159318	159319	159320	159321	159322
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159337	159338	159339	159340			

## PATENT SEALED

ON 01-10-1992

167365 \*D 168955 169027 \*D 169097 169319 \* 169351 \*  
169353 169354 169355 169356 169358 169438 \*D  
169450 \*D 169823 169829 \*F.

CAL—05, DEL—NIL, MAS—07 and BOM—03.

\* Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 57 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—DRUG Patent, F—FOOD Patents.

## AMENDMENT PROCEEDING UNDER SECTION 57

The amendments proposed by LABORATORI GUIDOTTI SPA, of Via Trieste, 40, 56100, Pisa, Italy an Italian Company in respect of Patent Application No. 165884 as advertised in Part III, Section 2 of the Gazette of India 29-2-1992 and no Opposition being filed within the stipulated period the said amendments have been allowed.

The amendments proposed by KABEL-UND METALLWERKE GUTE HOFFNUNGSHUTTE AG., a body Corporate organised under the law of the Federal Republic of Germany of Klosterstr 29, D-4500 Osnabruck, Germany in respect of Patent Application No. 168332 as advertised in Part III Section 2 of the Gazette of India on 30-11-1991 and no opposition being filed within the stipulated period, the said amendments have been allowed.

The amendments proposed by BIOTEST PHARMA GmbH, of Landsteinerstrasse 5, D-6072, Dreieich, West Germany in respect of Patent Application No. 168629 as advertised in Part III, Section 2 of the Gazette of India on 18-4-1992 and no opposition being filed within the stipulated period the said amendments have been allowed.

Notice is hereby given that M & T Chemicals Inc., a Company incorporated under the laws of the State of Delaware, U.S.A. of One Woodbridge Centre, Woodbridge, NJ 07095, United States of America have made an application under Section 57 of the Patents Act, 1970 for amendment of application and specification of their Patent No. 168762 for "Method of preparing Organotin Compounds containing fluorine".

The application for amendment and the proposed amendments can be inspected free of charge at the Patent office 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the Written Statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

The amendments proposed by TOYO ENGINEERING CORPORATION, of 2-5 Kasumigaseki 3-Chome, Chiyoda-Ku, Tokyo, Japan, a Japanese Corporation in respect of Patent Application No. 169023 as advertised in Part III, Section 2 of the Gazette of India on 1-2-92 and no opposition being filed within the stipulated period the said amendments have been allowed.

ENDORSEMENT OF PATENTS WITH THE WORDS "LICENCE OF RIGHT" UNDER SECTION 87 OF THE PATENTS ACT, 1970

30-12-1991

161503 161622 161283 161284 161343 161508 161524 161544  
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## CESSATION OF PATENTS

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158089.

## RESTORATION OF PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 155442 dated the 26th May 1982 made by Indian Institute of Technology on the 1st April, 1991 and notified in the Gazette of India Part III, Section 2, dated the 9th November 1991 has been allowed and the said Patent restored.

## REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of the Registration of the design included in the entry.

- Class 1.** No. 164189. Mohtimbas Engineer Private Limited, a company incorporated under the Indian Companies Act, 26 Sarang Street, Bombay-400 003, Maharashtra, India. "Bolt Cutter". 26th March, 1992.
- Class 1.** No. 164212. Campion Business Associates Private Limited, an Indian Company of 7, Avenue Road, Nungambakkam, Madras-600 034, Tamil Nadu, India. "Geyser". 1st April, 1992.
- Class 1.** No. 164233. Golden Industries Limited, An Indian Company, C-12, S.M.A. Co-op. Industrial Estate, Delhi-11-0 033, India. "Handle for door lock". 6th April, 1992.
- Class 1.** No. 164252. Nirman Industries, 308, Pardhart Marg, Nirankari Colony, Delhi-110009, Indian Partnership concern. "Cycle Locks". 13th April, 1992.
- Class 1.** No. 164284. Shree Electronics Private Limited (Registered under the Indian Companies Act 1956) having their Registered Office at 4-4-316, Giriraj Lane, Bank Street, Hyderabad-500 195, A.P., India. "Television Antenna". 23rd April, 1992.
- Class 1.** No. 164339. Standard Electric Industries, S-2, Green Park Extn. New Delhi-110016, India, a partnership concern. "Geyser". 7th May, 1992.
- Class 1.** No. 164398. Pankaj Pratap Bhide of 819 B, Riddhi-Siddhi, Shahid Mangal Pandey Marg, Mulund (West), Bombay-400 080, Maharashtra, India, Indian. "Capacitor". 21st May, 1992.
- Class 1.** No. 164460. Secur Industries Limited, 4/8, Asaf Ali Road, New Delhi-110 002, India, an Indian Company registered under the Provisions of Indian Companies Act, 1956, of the above address. "Door Guard". 15th June, 1992.
- Class 1.** No. 164482. Alfa Comforts Devices (P) Limited, Johnson compound, Exhibition Road, Aligarh 202001, U.P., India, is a Limited concern. "Cooler". 25th June, 1992.
- Class 1.** No. 164543. Nelson Type Foundry Private Ltd., of 34, Sami Sami Pillai Street, Choolai, Madras-600 112, Tamil Nadu, India, an Indian Private Limited Company. "Tamil Type Fount". 15th July, 1992.
- Class 1.** No. 164620. Mancos Domestic Appliances Industries (A limited Company incorporated under the Indian Companies Act), Indian National, Boring Road (East), Patna-800001, Bihar, India. "GAS OVEN". 24th July, 1992.
- Class 3.** No. 163716. Ranutrol Limited (a company incorporated under the Companies Act, 1956) F-85, Okhla Industrial Area, Phase-1, New Delhi-110 020, India, "W. C. Syphon Flushing System". 29th October, 1991.
- Class 3.** No. 163718. Ranutrol Limited (a company incorporated under the Companies Act, 1956) F-85, Okhla Industrial Area, Phase-1, New Delhi-110020 (India). "Power Shower". 29th October 1991.
- Class 3.** No. 163744. Dinny Exports, an Indian sole Proprietorship firm, "Hand-Held Spiked Massage Roller". 6th November 1991.
- Class 3.** 163745. Dinny Exports, an Indian sole Proprietorship firm. "Hand-Held Spiked Massage Roller". 6th November, 1991.
- Class 3.** No. 163746. Dinny Exports, an Indian sole Proprietorship firm. "Massage Roller in the Form of a Bird". 6th November, 1991.
- Class 3.** No. 163747. Dinny Exports, an Indian sole Proprietorship firm. "Soap Dish". 6th November, 1991.
- Class 3.** No. 163748. Dinny Exports, an Indian sole Proprietorship firm. "Comb". 6th November 1991.
- Class 3.** No. 163749. Dinny Exports, an Indian sole Proprietorship firm. "Massage Roller". 6th November, 1991.
- Class 3.** No. 163750. Dinny Exports, an Indian sole Proprietorship firm. "Massage Roller for the Soles of the Feet". 6th November, 1991.
- Class 3.** No. 163941. Baco Contructions Electriques-Anct. Baumgarten S.A., A French company of 290, Route de Colmar, F-67024 Strasbourg, France. "Actuator for Control Devices". 26th December, 1991.
- Class 3.** Nos. 163967 & 163968. McDowell & Co. Ltd., an Indian Company of McDowell House, 3 Second Line Beach, P.O. Box 36, Madras 600 001, Tamilnadu, India. "Bottle". 31st December, 1991.
- Class 3.** No. 164022. Tata Kelltron Ltd. (a public limited company incorporated in India) whose Regd. Office is at Kanjikode West, Palghat-678 623 Kerala State, India, an Indian Company. "Compact Phone". 20th January, 1992.
- Class 3.** No. 164040. Vivekam & Co. 90/A South Raja Street, Tuticorin 628 001, Tamil Nadu, India, a Partnership Firm duly registered under the Indian Partnership Act, 1932. "Container". 24th January, 1992.
- Class 3.** No. 164056. Lakme Limited, of Bombay House, 24 Homi Mody Street, Bombay-40001, Maharashtra, India, an Indian Company. "a Jar". 3rd February, 1992.
- Class 3.** 164164. Samurai Software Pvt. Ltd., F-17A (II) Industrial Area, Parbatpura, Ajmer-305 002, Rajasthan, India, an Indian company registered under the Provisions of Indian Companies Act, 1956 of the above address. "Electronic Television Game". 17th March, 1992.
- Class 3.** No. 164178. Clone Mannequins Inc, 299, Prakash Mohalla, East of Kailash, New Delhi, India (a registered Partnership firm). "Mannequins". 23rd March, 1992.
- Class 3.** Nos. 164201 & 164202. Kripal Products and Packagings Private Limited, Venu-Vimal House, 16, Road No. 9, M.I.D.C., Andheri (East), Bombay-400093. (A Private Limited Company incorporated under the Indian Companies Act). India, State of Maharashtra. "Tooth Brush". 31st March, 1992.
- Class 3.** No. 164245. Pratap Plastics, B-106, Virwani Industrial Estate, Off : Express Highway, Goregaon (E), Bombay-63, State of Maharashtra, India, an Indian Partnership firm. "Soap Box". 13th April, 1992.
- Class 3.** No. 164203. Sunshine Cosmetics Manufacturers, 15-B, Shalimar Industrial Estate, Matunga Labour Camp, Koliwada Matunga, Bombay-400 019, State of Maharashtra, India. Proprietary concern "Bottle". 31st March, 1992.
- Class 3.** No. 164250. Reino Industrial Organics Pvt. Ltd., B-93, Mayapuri Industrial Area, Phase-I, new Delhi-110 064, India, a Private Limited Company registered under the Provisions of Indian Companies Act, of the above address. "Bottle". 13th April, 1992.
- Class 3.** No. 164145. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having office at 202/203.

- "Raheja Centre", 214, Nariman Point, Bombay-400021, Maharashtra, India. "Flask". 9th March, 1992.
- Class 3. No. 164448. Centy Toys-IC/121, Namdhari Colony, Ramesh Nagar, New Delhi-15, India, Indian Partnership firm. "Toy Car". 5th June, 1992.
- Class 3. No. 164452. Giriraj Industries, a sole proprietary concern. "Toy". 8th June, 1992.
- Class 3. No. 164453. Polyset Products Private Limited, a company incorporated under the Companies Act, having its office at 2503-6, G.I.D.C., Halol-289350, District Panchmahals in the State of Gujarat, within the Union of India. "Ice Box". 8th June, 1992.
- Class 3. No. 164087. Tata Keltron Ltd. (a Public Limited company incorporated in India) whose Regd. Office is at Kanjikode West, Palghat-678 623 Kerala State, India, Indian Company. "Digital Display Telephone Apparatus". 14th February, 1992.
- Class 3. No. 164186. Popyset Plastics Limited, a company incorporated under the Companies Act, at A-44-45, I.I.D.C. Off. Mahakali Caves Road, Andheri (E), Bombay-400 093, Maharashtra, India. "Container". 26th March, 1992.
- Class 3. No. 164213. Campion Business Associates Private Limited, an Indian Company of 17, Avenue Road, Nungambakkam, Madras-600 034, Tamil Nadu, India. "Geyser". 1st April, 1992.
- Class 3. No. 164236. Pearl Polymers Limited, 704, Rohit House, 3 Tolstoy Marg, New Delhi-110 001, India, an Indian Company registered under the Provisions of Indian Companies Act, 1932. "Water Bottle". 26th April, 1992.
- Class 3. No. 164256. Polyset Products Private Limited, a company incorporated under the Companies Act, having its Office at A-44-45, M.I.D.C. Off. Mahakali Caves Road, Andheri (E), Bombay-400 093, in the State of Maharashtra, within the Union of India. "Ice Box". 20th April, 1992.
- Class 3. No. 164293. Raj Electrical Industries, 21/4, Shakti Nagar, Delhi-110007, India. A Sole Proprietary Firm. "Car Cooler". 28th April, 1992.
- Class 3. No. 164304. Varun Enterprises, A-204, Claridge, Samarth Nagar, Cross Road No. 3, Lokhandwala Complex, Andheri (West), Bombay-400 058, State of Maharashtra, India, Proprietary concern. "COMB". 24th April, 1992.
- Class 3. Nos. 164337 & 164338. Fumakilla Limited, a corporation duly organised and existing under the laws of Japan, of 11, Kanda-Mikuracho, Chiyoda-Ku, Tokyo, Japan. "Fumigation Apparatus". 6th May 1992.
- Class 3. No. 164350. ICT Industries, a Partnership firm registered under the Indian Partnership Act, "Table Rack". 8th May 1992.
- Class 3. No. 164388. Yves Saint Laurent Parfums, a French Joint Stock company of 28/34, boulevard du parc, 92200 Neuilly Sur Seine, France. "Container". 18th May 1992.
- Class 3. No. 164397. Boroplast Pvt. Ltd., of 49-A, Chakala Road, Opp.; Siemens, Andheri (E), Bombay-400 093, Maharashtra, India, Indian Company. "Garbage Bin". 21st May 1992.
- Class 3. Nos. 164438 & 164439. Schoeller-Plast AG (a joint stock company organised and existing under the laws of Switzerland) of 11 route de la Condemine, Condemine, CH-1680 Romont, Switzerland) "Bottles Case". 4th June 1992.
- Class 3. No. 164446. The Wellcome Foundation Limited of Unicorn House, 160 Euston Road, London NW12BP, England, a British Company. "Container". Reciprocity date is 06th December 1991 (U.K.).
- Class 3. No. 154454. Smithkline Beecham p.l.c. of New Horions Court, Brentford, Middlesex TWB 9EP, England, a British Company. "Container". Reciprocity date is 13th December 1991 (U.K.).
- Class 3. No. 164455. Datar Switchgear Pvt Ltd. of Datar Apartment Commercial Complex, Vakli Wadi, Nasik-422001, Maharashtra, India, Indian Company. "Switchgear". 15th June 1992.
- Class 3. No. 164469. Johnson & Johnson Limited, a company incorporated under the Companies Act, 1956 having its registered office at 30 Forjett Streer Post Box No. 9301, Bombay-400 036, Maharashtra State, India. "a Box". 19th June 1992.
- Class 3. No. 164146. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having office at 202/203, "Raheja Centre" 214, Nariman Point, Bombay-400021, Maharashtra, India. "Food Container". 9th March 1992.
- Class 3. Nos. 164148 & 164149. Milton Plastics, a registered Indian Partnership firm, registered under the Indian Partnership Act 1932, having office at 202/203, "Raheja Centre", 214, Nariman point, Bombay-400021, Maharashtra, India. "Food Container". 9th March 1992.
- Class 3. No. 164478. MRF Limited (An Indian Company) MRF House, 124 Greaves Road, Madras-600 006, Tamil Nadu, India. "Automotive tyre". 23rd June 1992.
- Class 3. No. 164644. MRF Limited (An Indian Company), 124 Greaves Road, Madras-600 006, Tamil Nadu, India. "Automobile Tyre". 30th July 1992.
- Class 3. Nos. 164273 to 164276. Sony Corporation, a Joint Stock Company organised under the laws of Japan of 6-7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo, Japan. "Shutter for an Optical Disc Cartridge". 20th April 1992.
- Class 4. Nos. 164379 & 164380. Khoday Brewing & Distilling Industries Limited (Distillery Division), Unit No. 2, Brewery House, 7th Mile, Kanakapura Road, Bangalore-560 062, Karnataka, India, an Indian Company. "Bottle". 13th May 1992.
- Class 4. No. 164406. Khoday India Limited, Brewery House, 7th Mile, Kanakapura Road, Bangalore-560 062, Karnataka, India, an Indian Company "Bottle". 22nd May 1992.
- Class 4. Nos. 164537 to 164539. Sharma Chemical Works, of 28, Amartalla Street, Calcutta-700 001, an Indian Partnership firm. "Bottle". 14th July 1992.
- Class 5. No. 164057. Lakme Limited, of Bombay House, 24 Homi Mody Street, Bombay-400 001, Maharashtra, India, an Indian Company. "Carton". 3rd February 1992.
- Class 12. No. 164554. The Boots company Plc. of 1 Thane Road West, Nottingham, NG 23AA, United Kingdom, a British Company. "Pharmaceutical Tablet". Reciprocity date is 25th January 1992. (U.K.).

Copyright extended for the 2nd period of five years.

Nos. 158439, 158440, 159364, 159437.—Class-3.

No. 158605.—Class-4.

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एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1992

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